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Floor Coating and Waterproofing Coating

Product Guide Book
by Applications

NOROO Paint & Coatings
provides perfect solutions
for space that allow people
to feel the value of life
in safety and comfort.

NOROO

A floor is a space where people live all the time and it greatly affects our lives.

Feel, appearance, walking and functionality all matter to floors.
Floor coatings find use in situations ranging from the simple protection of domestic garage floors, to the restoration and protection of commercial and industrial flooring. Floor coatings can improve resistance to chemicals, enhancing resistance to impact and wear, and for the aesthetic appearance purposes.

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Where is it painted?

Floor Coating/ Waterproofing Coating of NOROO Paint & Coatings

Provides Solutions Optimized
for Each Space

Floor Coating Waterproofing System Guide Book

Enrich your life with the best quality.
The service starting from customers' point
of view provides touching satisfaction.
The best quality and service, those are
the belief of NOROO Paint & Coatings for
customers and the company's commitment
that will be kept forever.

Floor Coating System Guide

● Excellent ★ Very excellent

Category	Application	Recommended Product	Use								Property								Page
			Ramp	Floor hardener	Vibration and crack resistance	Dustproof	Anti-slip	High strength	Low odor	Noise prevention	Water resistance	Acid- proof	Hot water resistance	Alkali- proof	Wear resistance	Chemical resistanc	Adhesion	Self- leveling	
Floor	Car park and industrial floor	Cleanpoxy Solventbased epoxy		●		●					●			●	●	●	★		9
		Cleanpoxy Solvent-free Epoxy Self-leveler	●	●		●	●		●		●			●	●	●	★	★	11
		Cleanpoxy Solvent-free Epoxy Self-leveler Mild	●	●		●	●		★		●			●	●	●	★	★	11
		Cleanpoxy Solvent-free Epoxy Transparent Self-leveler				●			●		●			●	●	●	★	★	12
		Cleanpoxy Solvent-free Epoxy Embossing Self-leveler		●		●	★		●	★	●			●	●	●	★	★	13
		Cleanpoxy Solvent-free Epoxy Acid Resistant Self-leveler		●		●					●	★		★	●	★	★	★	14
		Cleanpoxy Solvent-free Epoxy Mortar (DNY-200(E))	★			●	★	★	●	★	●			●	★	●	★		15
		Cleanthane Elastic Urethane			★	●					●				●	●	★	★	20, 21
		Eco-crete 500	●		★	●	●		★		●			●	●	●	★	●	22
	Interior of office, school, hospital, supermarket, etc.	Cleanpoxy Solvent-free Epoxy Self-leveler	●			●	●		●		●			★	●	●	★	★	11
		Cleanpoxy Solvent-free Epoxy Self-leveler Mild	●	●		●	●		★		●			●	●	●	★	★	11
		Cleanpoxy Solvent-free Epoxy Transparent Self-leveler				●			●		●			★	●	●	★	★	12
		Cleanpoxy Solvent-free Epoxy Embossing Self-leveler				●	★		●	★	●			★	●	●	★	★	13
		Cleanpoxy Waterbased epoxy				●			★		●						★		10
		Cleanthane Elastic Urethane			★	●					●				●	●	★	★	20, 21
		Yegreena Color Floor				●					●			★	●	●	★	★	16
		Yegreena Crystal US(N)				●					●			★	●	●	★	★	17
		Yegreena Vintage				●					●			★	●	●	★	★	18
		Concrete Densifier		★	★	★		★	●		●				●		★		19
	Special facilities of warehouse, electronics, electric equipment, pharmaceuticals, chemical industries, etc.	Cleanpoxy Solvent-free Epoxy Mortar (DNY-200(E))	★			●	★	★	●	★	●			●	★	●	★		15
		Cleanpoxy Solvent-free Epoxy Acid Resistant Self-leveler				●					●	★		★	●	★	★	★	14
		Cleanpoxy Solventbased epoxy				●					●			●	●	●	★		9
		Cleanpoxy Solvent-free Epoxy Self-leveler				●					●			●	●	●	★	★	11
		Cleanpoxy Solvent-free Epoxy Self-leveler Mild	●	●		●	●		★		●			●	●	●	★	★	11
		Eco-crete 500	●		★	●	●		★		●			●	●	●	★	★	22
		Food and refrigeration facilities				★	★	★	★		★		★	●	★	●	★	★	23
		Roads and trails				●	★			★							★	●	24,25
		Wood Floor				★	★	★	★		★				★		★		26

Waterproofing System Guide

● Excellent ★ Very excellent

Category	Type	Application	Recommended Product	Use								Property								Page		
				Rooftop floor	Rooftop wall	Thermal barrier	Restroom	Porch and balcony	Shingle	Underground structure	Rooftop greening	Elongation	Water resistance	Cold resistance	Durability	Crack resistance	Tensile and tear strength	Adhesion	Crack resistance			
Roof, Floor	Exposed	Concrete	Cleanthane elastic urethane	★									★	★		●	●	●	●	●	31, 32	
			Cleanthane elastic urethane for vertical		★									★	★		●	●	●	●	●	31, 32
			Waterborne Cleanthane	★										★	★		●	●	●	●	●	42
			Energy Saver(R)	★		★								★	★		●	●	●	●	●	30
			STB Waterbased Acrylic Waterproofing	●										★	●				●			34
		Pro-tech polyurea	★	★										★	★	★	★	★	★	★	33	
		SKINSHEET FPO	★	★	●							★	★	★		★	★		★		37	
		Mineral ceramic waterproofing coating (DENSIL NR70)	●			★	★							★		●	●		●		36	
		Asphalt	Shingle waterproofing coating						★						★		●		●			35
	Non-exposed	Concrete	Blackthane				●	●		●			★	●		●	●	●	●	●	●	38
			SKINSYS composite system											●	★		★	★	●	★		39
			Silicate powder waterproofing (DENSIL NR65)								★				●							40
		Putty	Concrete	Cleanthane Roof Sealer	★	●		★	★	★	★			★	★		★	★	★	★	★	41



Decades of Know-how,

NOROO Paint & Coatings produces
reliable quality products!



Floor Coating

Floor is "the foundation and basic".

The floor coating is the basis of the living space
and the foundation of the life.

It helps people live safely as well as keep
the space healthy and comfortable.

Floor Coating Product



Cleanpoxy Solventbased Epoxy | Cleanpoxy(W) Waterbased Epoxy
Cleanpoxy Solvent-free Epoxy Self-leveler
Cleanpoxy Solvent-free Epoxy Self-leveler Mild
Cleanpoxy Solvent-free Epoxy Transparent Self-leveler
Cleanpoxy Solvent-free Epoxy Embossing Self-leveler
Cleanpoxy Solvent-free Epoxy Acid Resistant Self-leveler
Cleanpoxy Solvent-free Epoxy Mortar (DNY-200(E)) | Yegreena Color Floor
Yegreena Crystal US(N) | Yegreena Vintage | Concrete Densifier
Cleanthane Elastic Urethane | Eco-crete 500 | Eco-crete 200
NOROO Way MMA | Soon & Soo Wood Floor

EPOXY System

Cleanpoxy

The epoxy floor coating system demonstrates excellent impact resistance, chemical resistance, wear resistance and adhesion with the strong film formed by epoxy and high polymer compounds. It is the coating material suitable for various plant floors, car parks, anti-slip function required floors, etc. In addition, when it is mixed with silica, etc. for applying mortar, it is possible to form a strong film that resists extreme wear environment and impact along with the anti-slip effect.

Epoxy Floor Coating Features

- Excellent chemical-resistance to acids, alkalis, solvents, etc.
- Superb strength enough to use where forklifts or heavy equipment pass.
- Excellent adhesion to the base and does not generate gap.
- It forms a seamless film with the self-leveling work and its appearance is clean.
- Possible to freely control the film thickness and easy to form a thin or thick film.
- Easy to work on repair coating and low maintenance cost
- Two pack product, it forms a solid film with high hardness after fully dried and has excellent resistance to wear and impact.

Elasthane Urethane Floor System

- Two pack products which have remarkable physical properties after completely cured.
- It is highly durable and virtually permanent to use and has excellent dustproof and contamination resistance. so it is suitable for where needs keeping clean always.
- Possible to use all-weather and all year round and to partially repair it, and less discolored by UV when worked as externally exposed.
- Easy to freely control the film thickness with the self-leveling work.
- Easy to repair and economic maintenance cost
- Suitable for using for rooftops car parks, plants, and multi-purpose facilities such as offices, various plants, athletic facilities, tennis courts, inline skating rinks and athletic stadiums, and its flexible elasticity and impact absorption property will help for the best performance of athletes.

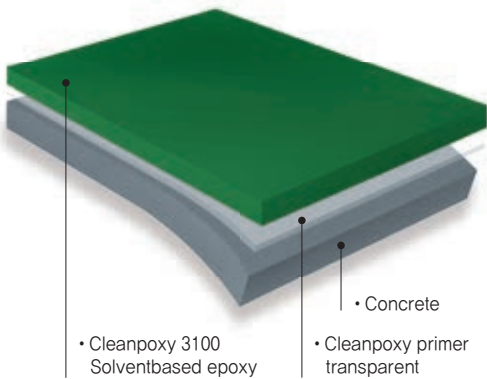
■ Properties of Epoxy Floor Coating Material Products

Category	Product Name	Pot Life (Hour, 20℃)	Drying Time (Hour, 20℃)		Mix Ratio (by weight)	Theoretical Coating Amount (㎡/L)	Film Thickness (μm)
			Tack-free	Fully cured			
Solvent epoxy primer	Cleanpoxy Primer Transparent	12	1	15	4 : 1	6.2	50
Hardener primer	New Hardener Primer	8	1	18	4 : 1	7.6	80
Solvent epoxy topcoat	Cleanpoxy 3100	5	1	8	2 : 1 (by volume)	10	40
Waterbased epoxy primer	Cleanpoxy (W) Primer	1	2	18	1 : 1	8.7	40
Waterbased epoxy topcoat	Cleanpoxy (W) Topcoat	2	2	12	1 : 1.7	12.7	35
Solvent-free epoxy Self-leveler intermediate/topcoat	Cleanpoxy DHDC-6200 (K)	30 minutes	6	36	5 : 1	3.0~4.5kg/㎡	2000~3000
Solvent-free epoxy Self-leveler intermediate/topcoat	Cleanpoxy DHDC-6400 (S)	30 minutes	5	24	5 : 1	2.0	500
Solvent-free epoxy Self-leveler Low Odor	Solvent-free Epoxy Self-leveler Mild	30 minutes	5	24	5 : 1	3.0~4.5kg/㎡	2000~3000
Low odor epoxy primer	Cleanpoxy (LO) Primer Transparent	30 minutes	4	24	3 : 1	0.21	200
Low odor epoxy intermediate/topcoat	Cleanpoxy Self-leveler (LO)	30 minutes	4	24	5.5 : 1	3kg/㎡	2000
Solvent-free epoxy intermediate/topcoat	Yegreena Crystal 100	30 minutes	5	24	3 : 1 (by weight)	0.5	2000
Metallic epoxy floor	Yegreena Color Floor	30 minutes	4	30	2 : 1	2.29kg/㎡	2000
Solvent-free epoxy intermediate/topcoat	Yegreena Crystal US(N)	30 minutes	6	12	3 : 1 (by weight)	3.3kg/㎡	3000
Solvent-free epoxy intermediate/topcoat	Cleanpoxy Transparent Self-leveler	30 minutes	5	24	4 : 1 (by weight)	0.5	2000
Low noise solvent-free epoxy intermediate/topcoat	Cleanpoxy Embossing Self-leveler	30 minutes	5	24	6 : 1 (by weight)	0.8kg/㎡	300~1000
Low noise solvent-free epoxy intermediate/topcoat	Cleanpoxy Embossing DHDC-6200 (LS)	30 minutes	5	24	5 : 1 (by weight)	0.7~1.0kg/㎡	500~1000
Solvent-free acid resistant epoxy intermediate/topcoat	Cleanpoxy Acid Resistant Self-leveler	25 minutes	4	20	1.8 : 1 (by weight)	0.5	2000
Epoxy mortar	Cleanpoxy Mortar DHDC-6500(DNY-200(E))	30 minutes	3	15	4 : 1 (by weight)	11.74kg/㎡	5000
Interior floor intermediate coat	Yegreena Vintage Intermediate Coat	—	—	24	5 : 1 (by weight)	4.5kg/㎡	3000
Concrete densifier	DENSIL CDA-300(LI)	—	1	18	—	6	—
Concrete densifier	DENSIL CDA-300(S)	—	1	18	—	6	—
Concrete densifier	DENSIL CDA-300(LM)	8	1	18	4 : 1	7.66	80
Urethane intermediate/topcoat	Eco-crete 500	20 minutes	2.5	12	2 : 1 : 6	5.5kg/㎡	3000
Urethane intermediate/topcoat	Eco-crete 200	20 minutes	6	12	3.84 : 3.36 : 16.8	7.6kg/㎡	4000
Elasthane semi-hard	Elasthane Semi-hard DHDC-2000TM	30 minutes	2	24	1 : 3	4.45kg/㎡	3000
Elasthane hard	Elasthane Hard DHDC-2000TH	30 minutes	2	24	1 : 2.1	4.21kg/㎡	3000
Elasthane ultra-hard	Elasthane Ultra-hard DHDC-2000TSH	30 minutes	2	24	1 : 1.5	4.1kg/㎡	3000
Elasthane semi-hard topcoat	Elasthane Topcoat DHDC-3000 (S)	4	30 minutes	12	5 : 1	10	40
Elasthane hard topcoat	Elasthane Topcoat DHDC-3000 (H)	4	30 minutes	12	4 : 1	10	40
Wood Floor Coating	Soon & Soo Wood Floor	—	—	3	—	8~10	40
MMA primer	NOROO WAY C-100(MMA) PRIMER	15 minutes	20 minutes	40 minutes	100 : 3 (20℃)	0.45kg/㎡	400
MMA intermediate / topcoat	NOROO WAY A-PT(MMA)	10 minutes	20 minutes	40 minutes	100 : 1.2 (20℃)	3.4~3.6kg/㎡	2000~2200
MMA intermediate / topcoat	NOROO WAY B-PT(MMA)	10 minutes	20 minutes	40 minutes	100 : 1.5 (20℃)	1.6~1.8kg/㎡	1000~1200
MMA intermediate / topcoat	5 Models of NOROO WAY KSM-6080(MMA)	2 minutes	10 minutes	40 minutes	100 : 3 (20℃)	0.99kg/㎡	700

Solvent-based Epoxy Cleanpoxy

Indoor floor coating for car park, various plants, machinery rooms, electric rooms, offices, etc.

- Thin film dustproof epoxy floor coating
- Sprayer and roller use possible
- Its appearance is outstanding thus it finds its applications in office floors, etc.
- Excellent dustproof, wear resistance, chemical resistance and adhesion on substrate with low maintenance



| Work Process – 0.12~0.16T (120~160μm) Thick

1. Surface treatment

- New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
- Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.

2. Primer (1 or 2 times depending on the concrete absorption condition)

- Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
- Coating: Uniformly apply with a roller or an air sprayer.

3. Topcoat (1 or 2 times)

- Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
- Coating: Uniformly apply with a roller or an air sprayer.

| Coating System 1, General



| Coating System 2, Economic



| Coating System 3, Hardener Side



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy primer transparent	50μm	1 time	B, R, S	Transparent	
	Topcoat	Cleanpoxy 3100 Solventbased epoxy	40~80μm	1 or 2 times	B, R, S	All colors	

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy primer transparent	50μm	1 time	B, R, S	Transparent	
	Topcoat	Cleanpoxy coating	45~90μm	1 or 2 times	B, R, S	All colors	

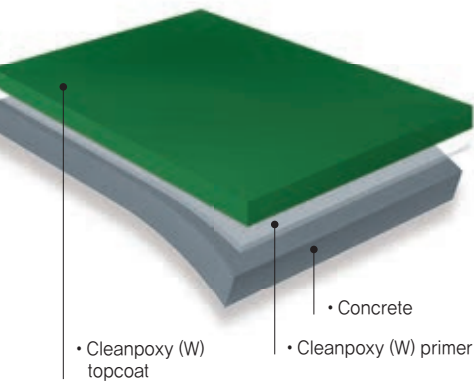
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Floor hardener	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	New hardener primer	80μm	1 time	B, R, S	Colored	
	Topcoat	Cleanpoxy coating	45~90μm	1 or 2 times	B, R, S	All colors	

* Make sure to read Coating Precautions in page 43 before using this product.

Waterbased Epoxy Cleanpoxy(W)

Indoor floor coating for building, basement, plants, offices, etc.

- Thin film dustproof epoxy floor coating material. Sprayer and roller use possible.
- Waterbased epoxy coating is used on floors of plants, apartments and building car parks.
- It is used for the building inside, basement, etc. since it does not generate solvent odor.
- Excellent adhesion on substrate and water resistance.



Work Process – 0.12–0.16T (120–160μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the concrete absorption condition)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Topcoat (1 or 2 times)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.

Coating System, General

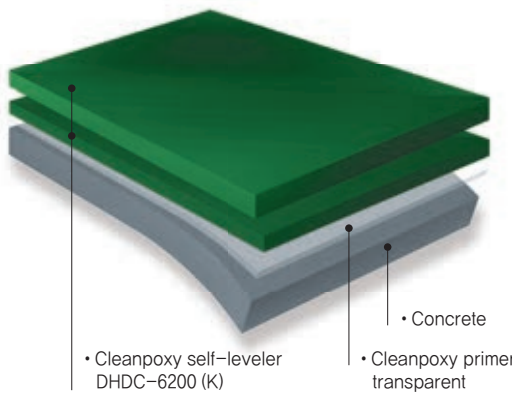


Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy (W) Primer	40μm	1 time	B, R, S	Transparent	
	Topcoat	Cleanpoxy (W) topcoat	35–100μm	1 or 2 times	B, R, S	Colored	

Solvent-free Epoxy Self-leveler Cleanpoxy Self-lever Mild/DHDC–6200(K)/DHDC–6400(S)

Indoor floor coating for car park, plants, machinery rooms, electric rooms, offices, etc. where durability and appearance are required.

- Thick film epoxy self-leveler for plants of electronic component or precision machine, etc. where dustproof is required. Trowel and squeegee use possible.
- Excellent self-leveling, 2–3mm film thickness, contamination resistant and seamless. It provides outstanding appearance.
- Excellent film hardness, chemical resistance, alkali-proof, wear resistance, water resistance and adhesion on substrate. Economic for long term maintenance.



Work Process – 0.5–3T (500–3,000μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the concrete absorption condition)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.

Coating System 1, General (2–3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy primer transparent	50μm	1 time	B, R, S	Transparent	
	Intermediate coat	Cleanpoxy self-leveler DHDC–6200 (K)	0.5~1.0mm	1 time	Squeegee and trowel	All colors	
	Topcoat	Cleanpoxy self-leveler DHDC–6200 (K)	1.5~2 mm	1 time	Squeegee and trowel	All colors	

Coating System 2, Thin Film (0.5mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer	50μm	1 time	B, R, S	Transparent	
	Topcoat	Solvent-free epoxy intermediate/topcoat DHDC–6400(S)	0.5~1.0mm	1 or 2 times	Squeegee, S	All colors	

Coating System 3, Low Odor (2–3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy (LO) Primer transparent DNY–200 / DNY–200(E) Cleanpoxy(W) Primer	100~300μm	1 time	B, R, S	Transparent	
	Intermediate coat	Cleanpoxy self-leveler (LO) / Cleanpoxy solvent-free epoxy self-leveler mild	0.5~1.0mm	1 time	Squeegee and trowel	Colored	
	Topcoat	Cleanpoxy self-leveler (LO) / Cleanpoxy solvent-free epoxy self-leveler mild	1.5~2.0mm	1 time	Squeegee and trowel	Colored	

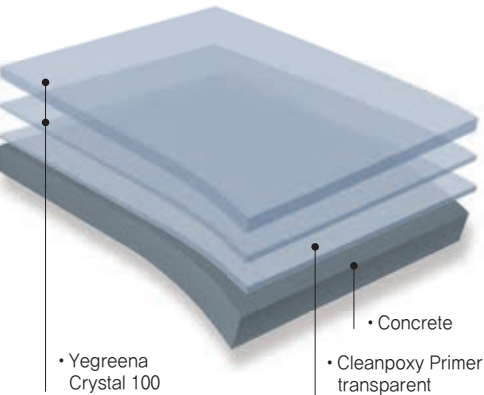
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Solvent-free Epoxy Self-leveler Transparent Yegreena Crystal 100

Interior and plant floors where durability and good appearance are required

- Thick film epoxy self-leveler for plants, etc. where dustproof is required. Trowel and squeegee use possible.
- Excellent self-leveling and transparent 1-3mm film thickness. Its appearance is superb thus it finds its applications in diverse indoor floors.
- Excellent film hardness, chemical resistance, alkali-proof, dustproof, wear resistance and adhesion on substrate.



Work Process - 3.0T (3,000µm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times coating depending on the absorption condition and 1 coat after intermediate coat)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate and topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.

Coating System 1, General (2-3mm)



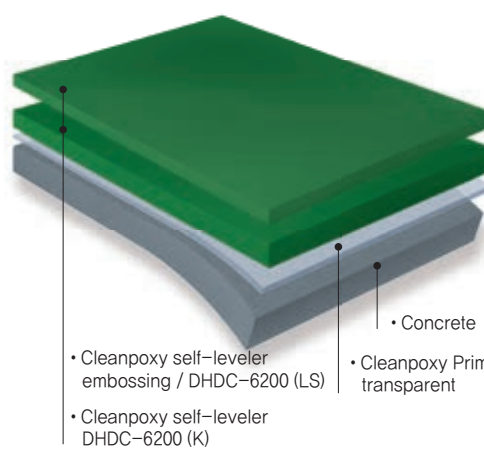
Coating System 2, Economic (2-3mm)

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer transparent	50µm	1 or 2 times	B, R, S	Transparent	
	Intermediate coat	Yegreena Crystal 100	0.5~1.0mm	1 time	Squeegee and trowel	Transparent	
	Topcoat	Yegreena Crystal 100	2~2.5mm	1 time	Squeegee and trowel	Transparent	
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer transparent	50µm	1 time	B, R, S	Transparent	
	Intermediate coat	Cleanpoxy self-leveler transparent	0.5~1.0mm	1 time	Squeegee and trowel	Transparent	
	Topcoat	Cleanpoxy self-leveler transparent	1.5~2.0mm	1 time	Squeegee and trowel	Transparent	

Solvent-free Epoxy Self-leveler Embossing Cleanpoxy Self-leveler Embossing / DHDC-6200(LS)

For car park and plant pathway floors where noise prevention and slip resistance are required

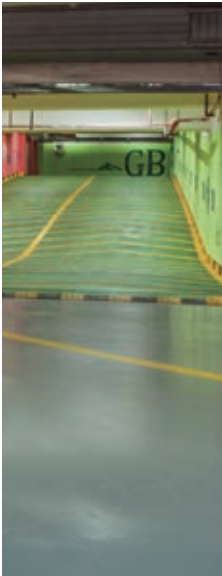
- Thick film epoxy self-leveler for electronic components or precision machine plants, etc. where dustproof is required. Trowel, squeegee and honeycomb roller use possible
- 1-3mm film thickness. Particularly effective to prevent noise generated by vehicle wheels and other objects.
- Excellent in film hardness, chemical resistance, alkali-proof, wear resistance, water resistance and adhesion on substrate. Economic for long term maintenance.



Work Process - 1.0T-3.0T (1,000-3,000µm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel or squeegee and trowel.
- 3. Intermediate coat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel and then apply with a honeycomb roller.

Coating System 1, General Noise Prevention (1.4-3mm)



Coating System 2, Noise Prevention (1mm)

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer transparent	50µm	1 time	B, R, S	Transparent	
	Intermediate coat	Cleanpoxy self-leveler DHDC-6200 (K)	1~2mm	1 or 2 times	Squeegee and trowel	All colors	
	Topcoat	Cleanpoxy self-leveler embossing / DHDC-6200 (LS)	0.4~1mm	1 time	Trowel and honeycomb roller	All colors	
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer	50µm	1 or 2 times	B, R, S	All colors	
	Intermediate coat	Cleanpoxy self-leveler embossing / DHDC-6200 (LS)	0.4~1mm	1 time	Trowel and honeycomb roller	All colors	
	Topcoat	Cleanpoxy 3100 solventbased epoxy topcoat	40µm	1 time	Squeegee and trowel	All colors	If necessary

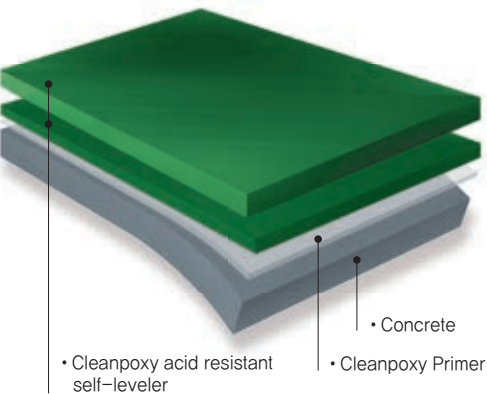
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Acid Resistant Solvent-free Epoxy Self-leveler Cleanpoxy Acid Resistant Self-leveler

Coating for plant floors, pharmaceutical companies, labs, etc.
where the acid resistant property is required

- Thick film epoxy self-leveler for electronic components or precision machine plants, etc. where dustproof is required. Trowel and squeegee use possible.
- Excellently self-leveling, 2-3mm film thickness, wear resistant, contamination resistant and seamless. It provides beautiful appearance.
- The acid resistant property is dramatically improved compared to general commercial solvent-free epoxies. Particularly, this epoxy coating has outstanding chemical resistance, i.e. acid resistant against sulfuric, hydrochloric, nitric, acetic, phosphoric acids and other acids as well as alkali-proof.



Work Process – 2.0-3.0T (2,000-3,000µm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the concrete absorption condition)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate and topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.

Coating System 1, General Use Required for Acid Resistance (2-3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer	50µm	1 time	B, R, S	Transparent	
	Intermediate coat	Cleanpoxy acid resistant self-leveler	0.5~1.0mm	1 time	Squeegee and trowel	All colors	
	Topcoat	Cleanpoxy acid resistant self-leveler	1.5~2.0mm	1 time	Squeegee and trowel	All colors	

Coating System 2, Acid Resistant and Anti-slip (5mm)



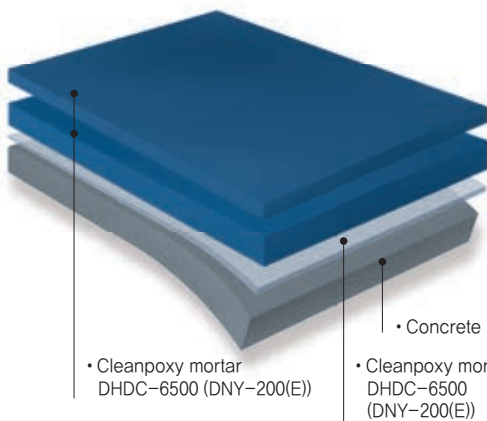
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy acid resistant self-leveler	100µm	1 time	Squeegee and trowel	All colors	
	Intermediate coat	Cleanpoxy acid resistant self-leveler	5mm	1 time	Squeegee and trowel	All colors	Silica mixed
	Topcoat	Cleanpoxy acid resistant self-leveler	300~600µm	1 or 2 times	Squeegee and trowel	All colors	

* Make sure to read Coating Precautions in page 43 before using this product.

Solvent-free Epoxy Mortar Cleanpoxy DHDC-6500 / DNY-200(E)

Coating for floors of logistics warehouses and plants where heavy traffic and slip resistance is required

- Its solid film provides excellent wear resistance and it is the dustproof epoxy resin for places where heavy equipment is operated. Trowel and squeegee use possible.
- Excellent self-leveling and 5-10mm film thickness achievable. Its appearance is beautiful.
- Using colored silica and general silica, it is possible to present various colors. Excellent chemical resistance, alkali-proof, water resistance and film hardness including dustproof, wear resistance, impact resistance, compression strength and adhesion on substrate.



Work Process – 5.0T (5,000µm) Thick or More

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat**
 - Mix: Put Part B into Part A and put silica while mixing them with a disperser.
 - Coating: Uniformly apply and dry with trowel or squeegee immediately after priming. During intermediate coat, use a rubber trowel to make it penetrate evenly.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Apply it with a rubber trowel and a roller for uniform penetration.

Coating System, High Strength and Anti-slip (5mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy mortar DHDC-6500	100~300µm	1 or 2 times	B, R, S	Transparent/all colors	
	Intermediate coat	Cleanpoxy mortar DHDC-6500	5mm	1 time	Trowel and finisher	All colors	Silica mixed
	Topcoat	Cleanpoxy mortar DHDC-6500	300~600µm	1 or 2 times	Rubber trowel	All colors	
	Topcoat	Cleanpoxy 3100 solventbased epoxy topcoat	40µm	1 time	B, R, S	All colors	If necessary

* Make sure to read Coating Precautions in page 43 before using this product.

Solvent-free Metallic Epoxy Yegreena Color Floor

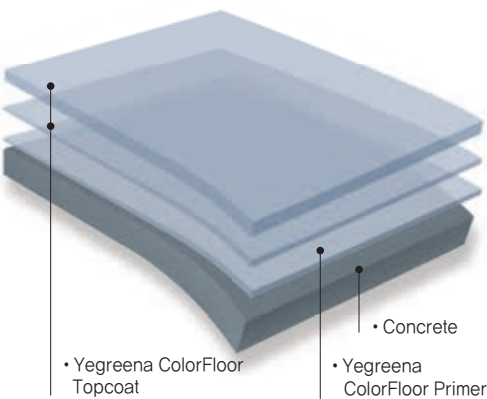
The art of metallic epoxy
For a beautiful floor that looks elegant and unique

- Special formulated epoxy with a pearlescent metallic pigment
- A smooth glass like finish that has a unique and subtle reflective sparkle
- 20 various color shades
- Excellent physical & chemical properties
- Easy to work and superior self-leveling

Solvent-free Epoxy Self-leveler Transparent Yegreena Crystal US(N)

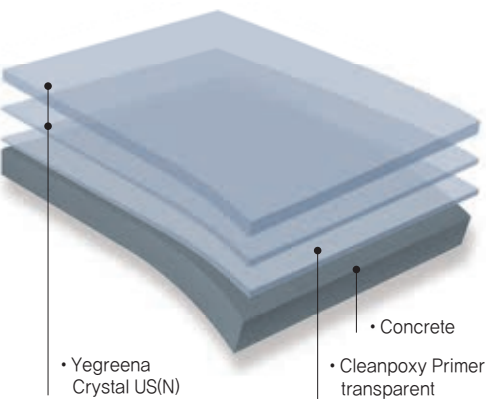
For floors that require durability, aesthetic appearance and elements of design

- Thick film dustproof epoxy floor coating
- Trowel, squeegee, squeegee use possible
- Excellent self-leveling, 1-3mm thick film obtainable. Its appearance is outstanding thus it finds its applications in cafes and plants.
- Excellent chemical resistance, alkali-proof, dustproof, wear resistance and adhesion



Work Process – 2.1T (2,150µm) Thick or More

- 1. Surface treatment**
 - Eliminate all foreign substances on the floor. If necessary, use a grinding machine and vacuum cleaner to create a flat surface.
- 2. Primer**
 - Mix: Mix primer Part B with Color Pearl first. Disperse them thoroughly with primer Part A for about 3 minutes. Use a power disperser.
 - Coating: Edges and corners are easy to apply with a brush. Wear spike shoes and use a roller to spread primer. If there is a groove or a crack, apply Cleanpoxy Putty after drying.
- 3. Topcoat**
 - Mix: Mix topcoat Part B with Color Pearl first. Disperse them thoroughly with topcoat Part A for about 3 minutes. Use a power disperser.
 - Coating: Wear spike shoes and use squeegee trowel to spread topcoat. If you want a two-tone metallic effect, naturally sprinkle the second color on the floor. Make a natural pattern with squeegee trowel after 20-30 minutes applying topcoat. If bubbles rise after applying topcoat, spray epoxy thinner on the floor.



Work Process – 3.0T (3,050µm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 coats depending on the absorption condition)**
 - Mix: Check the mix ratio, put Part B into Part A and mix it with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat and topcoat**
 - Mix: Check the mix ratio, put Part B into Part A and mix it with a power disperser.
 - Coating: Uniformly apply with trowel or squeegee and trowel.

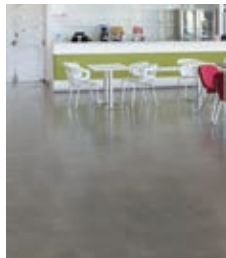
Coating System, Floors for cafe, office, beauty salon, etc. (2mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Yegreena Color Floor Primer	150µm	1 time	Brush, Squeegee, Trowel	20 colors	Mix Color Pearl tints.
	Topcoat	Yegreena Color Floor Topcoat	2mm	2 times	Brush, Squeegee, Trowel	20 colors	Mix Color Pearl tints.



Coating System, Floors for cafe, office, plant (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy Primer transparent	50µm	1 or 2 times	B, R, S	Transparent	
	Intermediate coat	Yegreena Crystal US(N)	0.5~1.0mm	1 time	Squeegee and trowel	Transparent	
	Topcoat	Yegreena Crystal US(N)	2~2.5mm	1 time	Squeegee and trowel	Transparent	

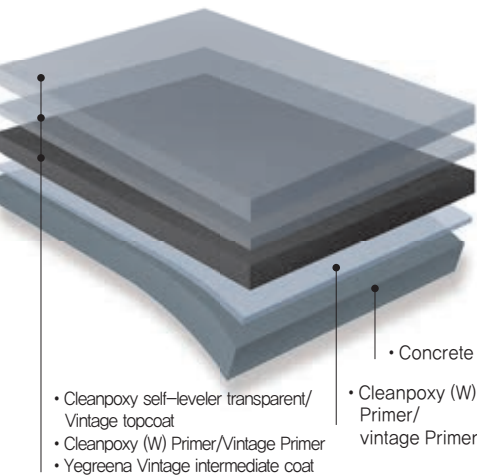
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Acrylic Cement Self-leveler Yegreena Vintage

For floors that require durability, aesthetic appearance and elements of design

- Thick film dustproof epoxy floor coating
- Trowel, squeegee, squeegee use possible
- Excellent self-leveling, 1–3mm thick film obtainable. Its appearance is outstanding thus it finds its applications in cafes and plants.
- Excellent chemical resistance, alkali-proof, dustproof, wear resistance and adhesion



Work Process – 4.0T (4,000µm) Thick or More

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times coating depending on the absorption condition and 1 time coating after intermediate coating)**
 - Mix: Mix in the specified mix rate with a power disperser. (Introduce cement if necessary.)
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat (vintage style)**
 - Mix: Put liquid resin into powder material and mix it with a power disperser.
 - Coating: Pattern coating with trowel
- 4. Primer**
 - Mix: Mix in the specified mix ratio.
 - Coating: Uniform coat with a roller and an air sprayer.
- 5. Topcoat (Apply at least 48 hours after intermediate coating)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.

Coating System 1, General Interior Floors for Cafes, Offices, etc. (4–5mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy (W) Primer/Vintage Primer	30–50µm	1 or 2 times	B, R, S	Transparent	Mix cement if necessary
	Intermediate coat	Yegreena Vintage intermediate coat	3mm	1 or 2 times	Squeegee and trowel	Gray	
	Primer	Cleanpoxy (W) Primer/Vintage Primer	30–50µm	1 or 2 times	B, R, S	Transparent	
	Topcoat	Cleanpoxy self-leveler transparent/Vintage topcoat	1.0–2.0mm	1 time	Squeegee and trowel	Transparent	

Coating System 2, General Interior Floors for Plants, Cafes, etc. (4–5mm)



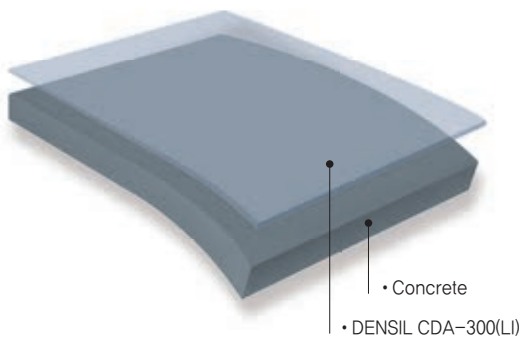
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanpoxy (W) Primer/Vintage Primer	30–50µm	1 or 2 times	B, R, S	Transparent	
	Intermediate coat	Yegreena Vintage intermediate coat	3mm	1 or 2 times	Squeegee and trowel	Gray	
	Primer	Cleanpoxy (W) Primer/Vintage Primer	30–50µm	1 or 2 times	B, R, S	Transparent	
	Topcoat	Yegreena Crystal 100/Vintage topcoat	1.0–2.0mm	1 time	Squeegee and trowel	Transparent	

* Make sure to read Coating Precautions in page 43 before using this product.

Concrete Densifier CDA-300

To create hard, dust-free, traffic resistant concrete surfaces

- To fill pores and increase surface density
- Concrete polishing uses densifiers to achieve a better shine and look.
- Waterbased transparent paint without solvent odor
- Use it where appearance matters.



Work Process

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Topcoat (2–3 times)**
 - Coating: Uniformly apply with a roller or a low pressure sprayer.

Coating System 1, General



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Concrete densifier	DENSIL CDA-300(LI)		1 or 2 times	B, R, S	Transparent	Low pressure sprayer

Coating System 2, Economic



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Concrete densifier	DENSIL CDA-300(S)		1 or 2 times	B, R, S	Transparent	Low pressure sprayer

Coating System 3, Line Marking Use



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Concrete densifier	DENSIL CDA-300(LI), (S)		1 or 2 times	B, R, S	Transparent	Low pressure sprayer
	Line marking	DENSIL CDA-300LM	80µm	1 time	B, R, S	Specified color	

* Make sure to read Coating Precautions in page 43 before using this product.

Elastic Urethane Cleanthane

KS F 3888-2 (School sports facilities – playground (elastic paving material))

- Heavy metal-free type two pack solvent-free elastic urethane intermediate coat
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion

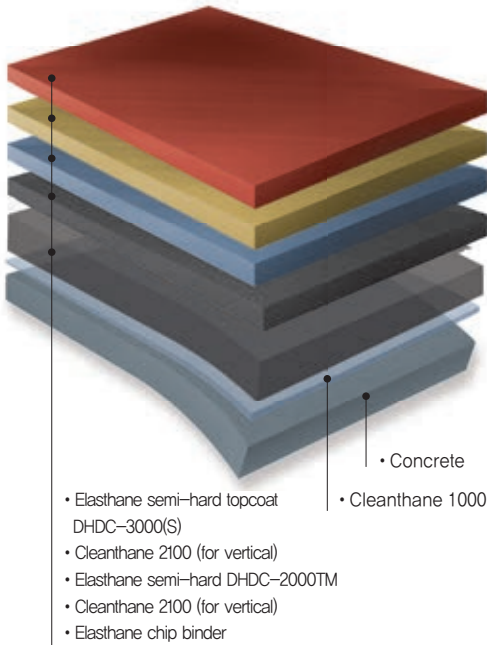
Elastic Urethane Cleanthane

KS F 3888-2 (School sports facilities – playground (elastic paving material))

- Heavy metal-free type two pack solvent-free elastic urethane intermediate coat
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion

Work Process

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat 1**
 - Mix: Mix EPDM chip and Elasthane chip binder by the 5:1 ratio.
 - Coating: Uniformly apply with trowel and a heating roller.
- 4. Intermediate coat 2**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser.
 - Coating: Apply with trowel and squeegee.
- 5. Intermediate coat 3**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.
- 6. Intermediate coat 4**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser. Then mix urethane chip by 30% by weight.
 - Coating: Uniform spray coating with a bone tile gun
- 7. Topcoat**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or a brush.



Coating System 1, Elastic Paving Material for Athletic Track (16mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R, S	Transparent	
	Intermediate coat 1	Elasthane chip binder	12mm	1 time	Trowel and heating roller	Transparent	Chip/Binder (5:1)
	Intermediate coat 2	Cleanthane 2100 (for vertical)	700μm	1 time	Trowel and squeegee	Specified color	
	Intermediate coat 3	Elasthane semi-hard DHDC-2000TM	3mm	1 or 2 times	B, R	Specified color	
	Intermediate coat 4	Cleanthane 2100 (for vertical)	1mm	1 time	Spray	Specified color	Cleanthane 2100:Chip (10:3), embossing
	Topcoat	Elasthane semi-hard topcoat DHDC-3000 (S)	40μm	1 time	B, R, S	Specified color	

Coating System 2, Elastic Pavement for Multipurpose Stadium (15mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat 1	Elasthane chip binder	12mm	1 time	Trowel and heating roller	Transparent	Chip: Binder (5:1)
	Intermediate coat 2	Cleanthane 2100 (for vertical)	700μm	1 time	Trowel and R	Specified color	
	Intermediate coat 3	Elasthane hard DHDC-2000TH	3mm	1 or 2 times	B, R	Specified color	
	Topcoat	Elasthane hard topcoat DHDC-3000 (H)	40μm	1 time	B, R, S	Specified color	

Coating System 3, Basketball Court and Tennis Court (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Elasthane semi-hard DHDC-2000TM	1-1.5mm	1 time	B, R	Specified color	
	Intermediate coat	Elasthane hard DHDC-2000TH	1.5-2mm	1 time	B, R	Specified color	
	Topcoat	Elasthane hard topcoat DHDC-3000 (H)	40μm	1 time	B, R, S	Specified color	

Coating System 4, Inline Skating Rink and Car Park (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Elasthane hard DHDC-2000TH	1-1.5mm	1 time	B, R	Specified color	
	Intermediate coat	Elasthane ultra-hard DHDC-2000TSH	1.5-2mm	1 time	B, R	Specified color	
	Topcoat	Elasthane hard topcoat DHDC-3000 (H)	40μm	1 time	B, R, S	Specified color	

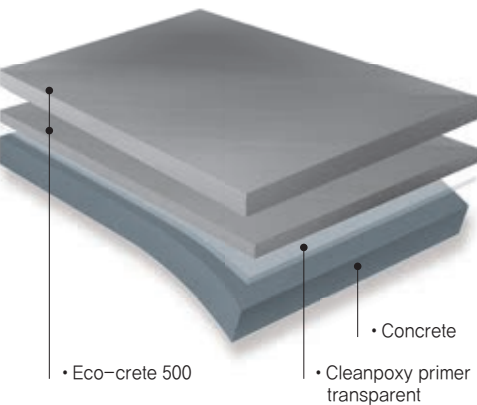
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Polyurethane Resin Flooring Eco-crete 500

Polyurethane resin mortar system for high hardness coating

- Three pack products consisting of polyurethane resin and mineral powder for crack resistance
- Eco-friendly coating with solvent & heavy metal free
- 2-3mm thick film with high elongation and ultimate tensile strength giving excellent crack resistance
- Acquired Korean Standard Certificate(KS F 4937 for car park finish coating)



Application instructions

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (Apply 1 or 2 times depending on the surface condition)**
 - Mix: Empty Part B(hardener) in the correct mix ratio into Part A(base). Mix together with a disperser.
 - Coating: Uniformly apply with a roller.
- 3. Intermediate coat (scraping)**
 - Mix: Mix Part A(base) and Part B(hardener) for 30-50 seconds with a disperser. When Part A and B have been mixed, mix powder with Part A and B for 2-3 minutes with a disperser adding powder separately.
 - Coating: Uniformly apply with squeegee or trowel.
- 4. Topcoat**
 - Coating: Uniformly apply with squeegee or trowel. Remove bubbles and make the coated surface smooth with spike roller.

Coating System, Crack Resistance, 2-3mm



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Primer	Cleanpoxy primer transparent	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Eco-crete 500	0.5~1.0mm	1 time	Squeegee, trowel	Specified color	
	Topcoat	Eco-crete 500	2~2.5mm	1 time	Squeegee, trowel	Specified color	

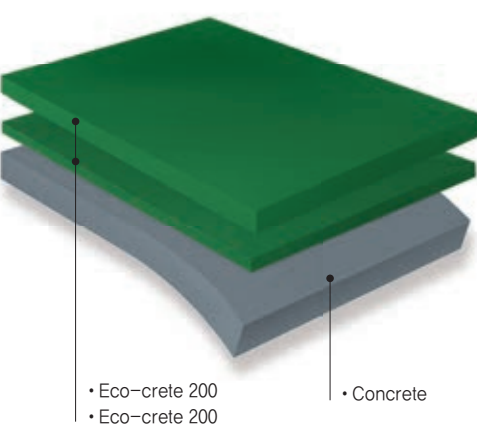


* Make sure to read Coating Precautions in page 43 before using this product.

Polyurethane Resin Flooring Eco-crete 200

Polyurethane resin mortar system for HACCP certified floor

- Three pack products consisting of polyurethane resin and mineral powder for HACCP.
- Excellent physical properties with wear, chemical, impact and hot water resistance.
- 4mm thick film with excellent flatness and workability.
- Available to apply on concrete with high moisture content.



Application instructions

- 1. Surface treatment**
 - New construction site: Satisfied with 25N/mm² of compressive strength and 1.5N/mm² of adhesion strength at least on concrete surface.
 - Recoating: Remove damaged concrete and make the surface level and smooth before applying.
- 2. Edges and corners**
 - Boundary and drain part: Make a groove with cutting, of which width and depth are twice wider and deeper than film thickness.
- 3. Construction joint**
 - Apply on places where overlapped with other construction materials, vibration generates, main column exists and being separated due to thermal effect, etc.
- 4. Primer (scraping)**
 - Mix: Mix Part A and B for 30-50 seconds with disperser. When Part A and B have been mixed, mix powder with Part A and B for 2-3 minutes with disperser adding powder separately.
 - Coating: Apply less than 1mm film thickness with trowel.
- 5. Topcoat**
 - Coating: Apply over 4mm film thickness in total, and remove bubbles and make the coated surface smooth with spike roller.

Coating System, HACCP CERTIFIED FLOOR (4mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Satisfied with 25N/mm ² of compressive strength and 1.5N/mm ² of adhesion strength at least on concrete surface.					
	Primer	Eco-crete 200	0.5~1.0mm	1 time	Squeegee, trowel	Specified color	
	Topcoat	Eco-crete 200	3~3.5mm	1 time	Squeegee, trowel	Specified color	

* Make sure to read Coating Precautions in page 43 before using this product.

Methyl Methacrylates Flooring NOROO Way MMA

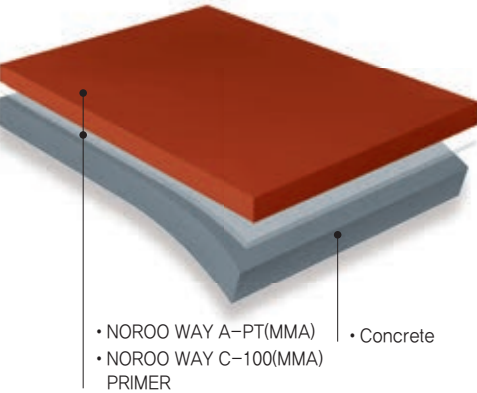
Anti-slip floor coating system for crossroads, sharp curve, bike roads, etc.

- Very fast drying time less than 1 hour to make fast application available.
- Apply on roads passing vehicle and bike and car parks where anti-slip is required.
- Apply on concrete and asphalt where emergency maintenance is required.
- Available to apply at any time regardless of temperature.
- Excellent adhesion, durability, and weather resistance.

Methyl Methacrylates Flooring NOROO Way MMA

Anti-slip floor coating system for crossroads, sharp curve, bike roads, etc.

- Very fast drying time less than 1 hour to make fast application available.
- Apply on roads passing vehicle and bike and car parks where anti-slip is required.
- Apply on concrete and asphalt where emergency maintenance is required.
- Available to apply at any time regardless of temperature.
- Excellent adhesion, durability, and weather resistance.



Application instructions

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer**
 - Mix: Empty Part B(hardener) in the correct mix ratio into Part A(base), and mix together with disperser.
 - Coating: Uniformly apply with a roller.
- 3. Intermediate and topcoat**
 - Mix: Mix Part A and B and colored silica with disperser
 - Coating: Apply intermediate coat with squeegee to make it level, and put anti-slip pattern with roller.

Coating System 1, Anti-slip (Concrete)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Primer	NOROO WAY C-100(MMA) PRIMER	400µm	1 time	Roller	Transparent	
	Topcoat	NOROO WAY A-PT(MMA)	2-2.2mm	1 time	Squeegee and roller	All color	

Coating System 2, Anti-slip (Asphalt)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Asphalt	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Topcoat	NOROO WAY A-PT(MMA)	2-2.2mm	1 time	Squeegee and roller	Specified color	

Coating System 3, Bike Road, Trail and Park (Concrete)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Primer	NOROO WAY C-100(MMA) PRIMER	400µm	1 time	Roller	Transparent	
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Squeegee and roller	Specified color	

Coating System 4, Bike Road, Trail and Park (Asphalt)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Asphalt	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Squeegee and roller	Specified color	

Coating System 5, Pavement Marking (Asphalt)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Asphalt	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Topcoat	5 models of NOROO WAY KSM-6080(MMA)	2-2.2mm	1 time	Squeegee and roller	Specified color	

Coating System 6, Bike Road, Trail, Road and Park Stencil (Concrete)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Primer	NOROO WAY C-100(MMA) PRIMER	400µm	1 time	Roller	Transparent	
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Spray	Specified color	Stencil pattern
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Spray	Specified color	

Coating System 7, Bike Road and Trail Stencil (Concrete)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil and other contaminants from the substrate.					
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Spray	Specified color	Stencil pattern
	Topcoat	NOROO WAY B-PT(MMA)	1-1.2mm	1 time	Spray	Specified color	

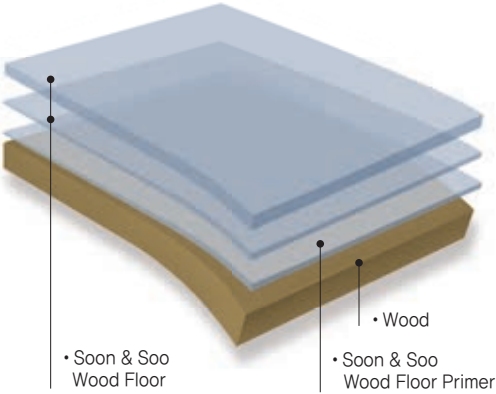
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Wood Floor Coating Soon & Soo Wood Floor

For wood floor that requires good durability
and smooth finish e.g. indoor gym floor

- Waterbased urethane coating for wood finish
- Applications: Indoor gym, classroom, hallway, stairways, furniture
- Strong film, low odor, superior appearance, scratch resistance, water resistance



| Work Process – 70μm Thick

- 1. Surface treatment**
 - Sand irregular surfaces using #180–220 sandpaper.
 - Completely remove dust, oil, contaminants, sanding residues and foreign substances.
 - Dry the wood substrates completely and remove mold.
- 2. Primer**
 - Coating: Uniformly apply with a roller or a brush.
- 3. Topcoat**
 - Coating: Apply the first coat and let it dry for 2 hours. Then apply the second coat. Do not try to achieve thick film in a single coat. Bubbles can occur. Do not apply below 10°C.

| Coating System, General (70μm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Wood	Surface treatment	Sand and remove dust, oil, contaminants, sanding residues and foreign substances.					
	Primer	Soon & Soo Wood Floor Primer	30μm	1 time	B, R, S	Transparent	
	Topcoat	Soon & Soo Wood Floor	30–40μm	2 times	B, R, S	Transparent	

* Make sure to read Coating Precautions in page 43 before using this product.



A wealth of knowledge in coating solution

We, NOROO PAINT, have been committed to developing and introducing the decent waterproofing system.

We live in a city with three-dimensional space expressing a variety of colors. Leading the color trend, NOROO suggests new options for waterproofing system which is distinguished from existing color.

We will always develop and introduce new color guides for waterproofing to express various colors to where we live.

BLUE

Blue is a color surrounding the biggest nature such as sky and sea. We recommend Blue to express relaxed and stable atmosphere.

NR-9034

YELLOW

Yellow symbolizes the sunset. We recommend Yellow to express warm and cozy atmosphere. It is also recommended to apply with another color thanks to its good color harmony.

NR-9018

BROWN

Brown is a color forming earth such as soil, fallen leaves and trees. We recommend Brown to express natural and comfortable atmosphere.

NR-9068

GREEN

Green is a color reminding eco-friendly circumstance such as forest, grass and field. We recommend Green to express greening and environmental atmosphere.

NR-9071



Waterproofing System



Waterproofing System

Waterproofing System

Cool Roof System (ENERGY SAVER(R))
Elastic Urethane Waterproofing for Roof | Pro-tech Polyurea System
STB Waterbased Acrylic Waterproofing | Shingle Waterproofing Coating
Mineral Ceramic Waterproofing Coating (DENSIL NR70)
SKINSHEET FPO Weather Resistant Waterproofing Sheet
Blackthane Non-exposed Elastic Urethane Waterproofing Coating
SKINSYS Composite System
Silicate Powder Waterproofing Coating (DENSIL NR65)
Cleanthane Roof Sealer | Waterborne Cleanthane

URETHANE System

Cleanthane/Elastic Urethane

With the solid film of polyurethane high polymer compounds, elastic urethane coating is used for roof waterproofing of buildings such as apartments, offices and houses. It also finds its applications in floor coating of offices, schools, hospitals, car park, various plants, sport facilities, etc. With its excellent elasticity and elongation, it demonstrates resistance to cracks generated by repeated contraction and expansion of the building as well as permanent performance without any risk of leakage.

Roof Waterproofing Coating

Cleanthane (KS F 3211, Class 1)

Two pack solvent-free elastic urethane paint. With its excellent elasticity and elongation, it is elastomer waterproofing coating suitable for roof. Excellent physical properties such as adhesion and water resistance. Possible to form a seamless flat film. Two pack roof waterproofing capable of forming a thick film in a single coat.

Singlethane

One pack moisture hardening elastic urethane intermediate coat. It demonstrates physical properties similar to two pack paints. Since it is ready-for-use without mixing Part A and B, it generates fewer defects such as poor hardening. One pack waterproofing paint with excellent film elongation and elasticity.

Blackthane

Elastic urethane paint. With its very excellent elasticity and elongation, it is the elastomer waterproofing suitable for non-exposure. Excellent physical properties such as adhesion and water resistance. Possible to form a seamless flat film.

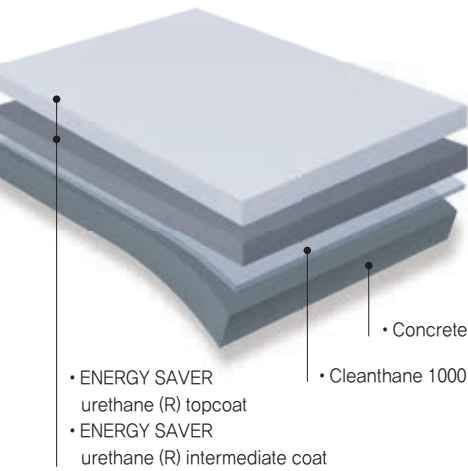
■ Properties of Elastic Urethane Products

Category	Product Name	Pot Life (Hour, 20°C)	Drying Time (Hour, 20°C)		Mix Ratio (by weight)	Theoretical Coating Amount (m ² /L)	Film Thickness (μm)
			Tack-free	Fully cured			
Exposed urethane primer	Cleanthane 1000	–	30 minutes	2	–	5.6	50
Exposed waterproofing coating intermediate coat	Cleanthane 2100 (KS F 3211)	30 minutes	7	24	1 : 3	4.4kg/m ²	3000
Exposed waterproofing coating intermediate coat	Cleanthane 2100 (KS)	30 minutes	8	24	1 : 3	4.5kg/m ²	3000
Exposed waterproofing coating intermediate coat	Cleanthane 2100 (for vertical)	30 minutes	7	48	1 : 3	4.2kg/m ²	3000
Exposed waterproofing coating intermediate coat	New Singlethane	–	7	48	–	3kg/m ²	2000
Exposed waterproofing coating intermediate coat	Singlethane Gold	–	3	24	–	4.5kg/m ²	3000
Exposed waterproofing coating topcoat	Cleanthane 3000K	4	30 minutes	12	8 : 1	10.5	40
Cool roof paint intermediate coat	ENERGY SAVER (R) intermediate coat	30 minutes	7	48	1 : 1.6	2.8kg/m ²	3000
Cool roof paint topcoat	ENERGY SAVER (R) topcoat	4	30 minutes	12	8 : 1	12	40
Urea primer	Pro-tech 100		30 minutes	2	–	5.6	50
Urea intermediate coat (pure)	Pro-tech NP-200	–	1 minute	60 minutes	1:1 (by volume)	2.2	2000
Urea intermediate coat (hybrid)	Pro-tech NH-290	–	1 minute	60 minutes	1:1 (by volume)	2.2	2000
Urea topcoat	Pro-tech 300	4	30 minutes	12	4 : 1	10	40
Urea primer (steel use)	Pro-tech 130	5	30 minutes	4	5.5 : 1	10	50
Aqueous permeable sealer	Clear sealer DNX-4001		20 minutes	5		9–13	15
Exposed waterproofing coating intermediate coat	STB Waterbased Acrylic Waterproofing	–	1	3	–	0.5	1000
Shingle waterproofing coating primer	Q-fit SG-1000 waterbased primer		20 minutes	5		9–13	15
Shingle waterproofing coating intermediate/topcoat	Q-fit shingle waterproofing coating SG-3000 (N)	–	1	3	–	1.4kg/m ²	1000
Waterbased epoxy primer	DHDC-2600WP	1.5	30 minutes	8	5 : 1	10	40
Mineral film waterproofing coating	DENSIL NR 70	–	30 minutes	48	18 : 13.5	3kg/m ²	2000
Exposed and non-exposed waterproofing sheet	SKINSHEET FPO	–	–	–	–	–	1200/1600
Non-exposed urethane primer	Blackthane 100	–	30 minutes	2	–	5.6	50
Two pack non-exposed waterproofing coating	Blackthane 2100NT (KS)	30 minutes	7	24	1 : 4	4.5kg/m ²	3000
One pack non-exposed waterproofing coating	Blackthane 250NT	–	7	24	–	3L/m ²	3000
Composite waterproofing intermediate coat	SKINSYS SC-200	30 minutes	5	24	5.7 : 1	1.5kg/m ²	1000
Composite waterproofing topcoat	SKINSHEET SA-300	–	–	–	–	–	1500
Mineral permeable waterproofing coating	DENSIL NR 65	–	30 minutes	48	1.8 : 25	1.5kg/m ²	1000
Concrete Putty	Cleanthane Roof Sealer	–	30 minutes	12	14 : 7–14 : 80–120 (by weight)	1.5–2.0kg/m ²	20mm or below
Waterborne exposed waterproofing primer	Waterborne Cleanthane Primer	1.5	30 minutes	8	1.74 : 1 (by weight)	7	60
Waterborne exposed waterproofing intermediate coat	Waterborne Cleanthane Intermediate coat	–	30 minutes	8		2.6kg/m ²	1000–1500
Waterborne exposed waterproofing topcoat	Waterborne Cleanthane Topcoat	3	30 minutes	18	3.7 : 1 (by weight)	0.18kg/m ²	50

Cool Roof Coating ENERGY SAVER (R)

Roof and exposed waterproofing of the concrete building structure

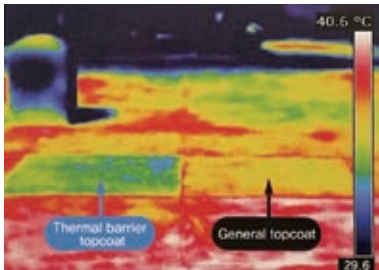
- Energy saving roof urethane waterproofing intermediate coat.
- Its high reflectance and low thermal conductivity provide the air-conditioning energy saving effect.
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion



Work Process – 3.0T (3,000μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
 - Repair: Dilute it with thinner(100–200%), and uniformly apply with a roller or a brush.
- 3. Intermediate coat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.

Coating System, Thermal Barrier Effect and Waterproofing (3mm)



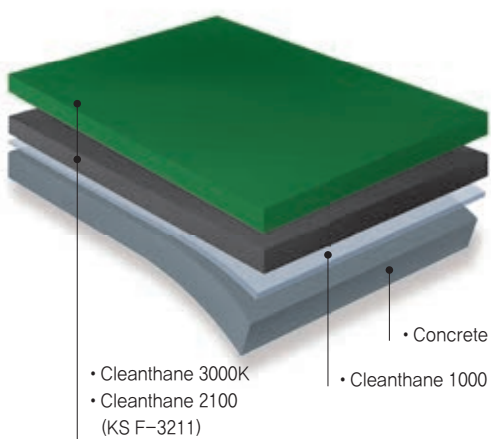
[Thermovision camera image]

* Make sure to read Coating Precautions in page 43 before using this product.

Elastic Urethane Roof Waterproofing Coating Cleanthane 2100 / 3000K / Singlethane

Roof and exposed waterproofing of concrete buildings

- Elastic urethane waterproofing coating. Spatula and squeegee use possible.
- Excellent self-leveling and 3mm thickness with beautiful appearance.
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion



Work Process – 3.0T (3,000μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
 - Recoating: Dilute it with thinner(100–200%), and uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.

Coating System 1, Urethane Roof Waterproofing (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Cleanthane 2100 (KS F-3211)	3mm	2 times	Squeegee and trowel	All colors	
	Topcoat	Cleanthane 3000K	40μm	1 time	B, R, S	All colors	

Coating System 2, Economic Roof Waterproofing (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Cleanthane 2100 (KS)	3mm	2 times	Squeegee and trowel	All colors	
	Topcoat	Cleanthane 3000K	40μm	1 time	B, R, S	All colors	

* Make sure to read Coating Precautions in page 43 before using this product.

Elastic Urethane Roof Waterproofing Coating

Cleanthane 2100 / 3000K / Singlethane

Roof and exposed waterproofing of concrete buildings

- Elastic urethane waterproofing coating. Spatula and squeegee use possible.
- Excellent self-leveling and 3mm thickness with beautiful appearance.
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion

Polyurea Flooring

Pro-tech

Floor and exposed surface waterproofing of various buildings

- Urea bonded special paint. Its reaction is fast enough to form a film within several seconds.
- Coating method using dedicated spraying equipment. Possible to work even on the vertical or inclined surface.
- Excellent elasticity, wear resistance, impact resistance, cold resistance, water resistance, chemical resistance, corrosion resistance and adhesion.
- Organic solvent-free eco-friendly paint

Coating System 3, One Pack Roof Waterproofing Intermediate Coat (2-3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	New Singlethane	2-3mm	2-3 times	Squeegee, trowel and R	Green and gray	
	Topcoat	Cleanthane 3000K	40μm	1 time	B, R, S	All colors	

Coating System 4, Urethane Roof Waterproofing for Vertical (3mm)

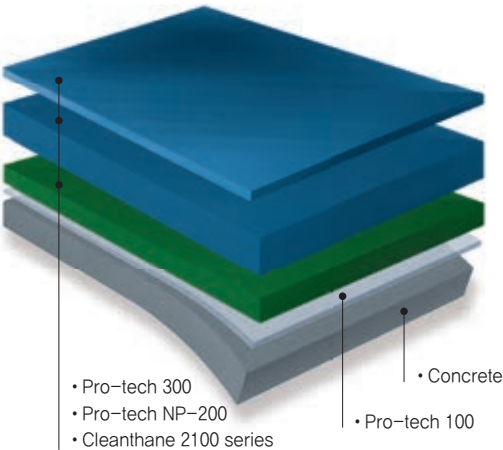


Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Cleanthane 2100 (for vertical)	3mm	1 or 2 times	Trowel	Specified color	
	Topcoat	Cleanthane 3000K	40μm	1 time	B, R, S	All colors	

Coating System 5, One Pack Roof Waterproofing for Vertical (2-3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Cleanthane 1000	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Singlethane Gold for vertical	2-3mm	2-3 times	R	Green	
	Topcoat	Cleanthane 3000K	40μm	1 time	B, R, S	All colors	



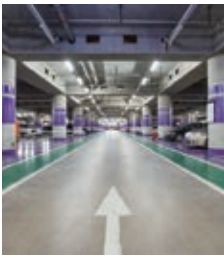
Work Process - 2-3T (2,000-3,000μm) Thick

- 1. Surface treatment**
 - Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
 - Fill urethane sealant(New Tansungseal(N)) in cracks.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Uniformly apply with a roller or a brush..
 - Be careful not to form a thick primer film on the substrate. Otherwise the adhesion to the intermediate coat may be deteriorated.
- 3. Intermediate coat**
 - For polyurea dedicated equipment, set the shooting distance about 60cm and the discharging pressure to 120-150 kgf/cm².
 - Heat Part A and B in a separate heater at approximately 70°C. Mix them with high pressure and spray the mixture for coating.
- 4. Topcoat (exposed)**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.

Coating System 1, Concrete Roof Waterproofing (2mm)



Coating System 2, Concrete Car Park (3mm)



Coating System 3, Steel Car Park Anti-corrosion Coating (2-3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Use a power tool to fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Pro-tech 100	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat 1	Cleanthane 2100 series (urethane sealing)	500μm	1 time	R, Squeegee	All colors	
	Intermediate coat 2	Pro-tech NP-200 (pure polyurea) or Pro-tech NH-290 (hybrid polyurea)	2mm	2-3 times	Polyurea dedicated equipment	Specified color	
	Topcoat (exposed)	Pro-tech 300	40μm	1 time	B, R	All colors	

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Use a power tool to fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Pro-tech 100	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat 1	Cleanthane 2100 series (urethane sealing)	500μm	1 time	R, Squeegee	All colors	
	Intermediate coat 2	Pro-tech NP-200 (pure polyurea) or Pro-tech NH-290 (hybrid polyurea)	3mm	3-4 times	Polyurea dedicated equipment	Specified color	
	Topcoat	Pro-tech 300	40μm	1 time	B, R	All colors	

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Steel	Surface treatment	SSPC SP-3 (power tool cleaning) or higher. If SSPC SP-10 (semi-white metal blast) or higher, you may skip priming.					
	Primer	Pro-tech primer	50μm	1 time	B, R	All colors	
	Intermediate coat	Pro-tech NP-200 (pure polyurea) or Pro-tech NH-290 (hybrid polyurea)	2-3mm	2-4 times	Polyurea dedicated equipment	Specified color	
	Topcoat	Pro-tech 300	40μm	1 time	B, R	All colors	

※ Pay attention on priming for car park in the non-ferrous structure.

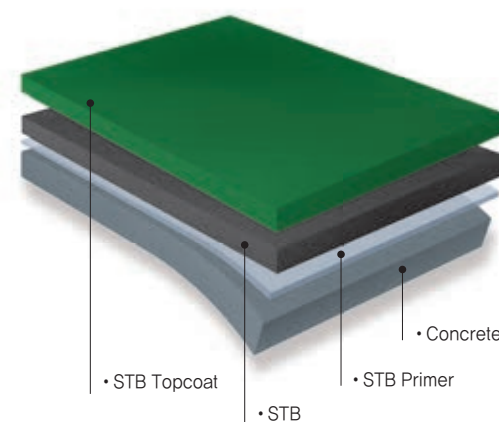
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Waterbased Acrylic Waterproofing STB

Roof and exposed waterproofing of various buildings

- Elastic acrylic emulsion waterproofing. Spatula and squeegee use possible.
- Excellent self-leveling and 1mm thickness
- Excellent tensile strength, tear strength and elongation
- Excellent water resistance, durability and adhesion



Work Process – 1.0T (1,000μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 time depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or a brush.
- 3. Intermediate coat**
 - Coating: Uniformly apply with a roller and/or a brush.
- 4. Topcoat (1–2 times depending on the condition)**
 - Coating: Uniformly apply with a roller and/or a brush.

Coating System, STB Acrylic Waterproofing (1mm)



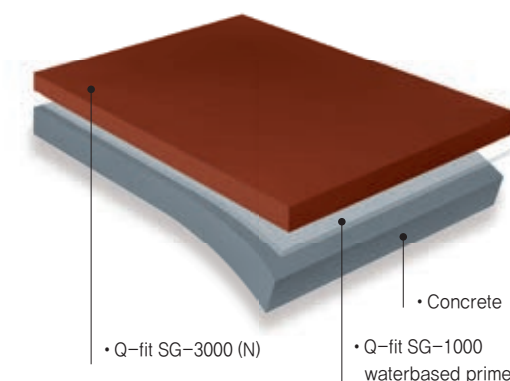
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	STB Primer	30μm	1 time	B, R	Transparent	Optional
	Intermediate coat	STB	1mm	4 times	B, R	Green	
	Topcoat	STB Topcoat	60μm	1–2 times	B, R	Green	Optional

* Make sure to read Coating Precautions in page 43 before using this product.

Shingle Waterproofing Coating Q-fit SG-1000 / SG-3000(N)

Recoating and coating agent for the shingle roof

- One pack elastic film waterproofing coating. Roller use possible
- It does not generate bleeding caused by detached asphalt.
- Excellent adhesion to the shingle. Excellent weather resistance, water resistance, durability and elasticity.



Work Process – 1.0T (1,000μm) Thick

- 1. Surface treatment**
 - Fully remove laitance, dust, oil content and other contaminants attached on the substrate.
 - Perform the repair work with NC-1500 elastic putty to cracks and edges.
- 2. Primer (if necessary due to loss of silica)**
 - Uniformly apply Q-fit SG-1000 or Cleanpoxy(W) primer with a roller or a brush.
 - Be careful not to form a thick film on the substrate. Otherwise the adhesion to intermediate coat may be deteriorated.
- 3. Intermediate coat**
 - Apply Q-fit SG-3000 (N) evenly with a brush and/or a roller.
 - Form the film less than 0.5mm thick on the first coat and form the 1mm film with the second coat.
 - Do not dilute to prevent defects such as slow drying.

Coating System, Shingle Exposed Waterproofing (1mm)



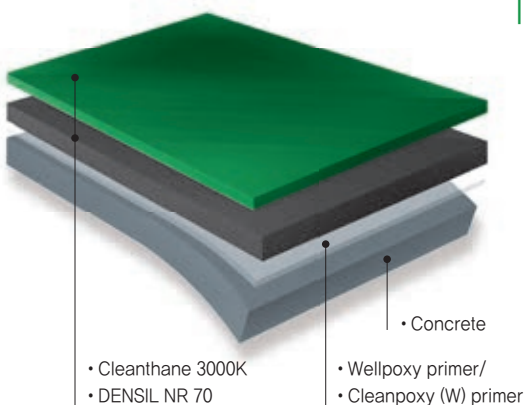
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Asphalt shingle	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Q-fit SG-1000/Cleanpoxy(W) primer	50μm	1 or 2 times	B, R	Transparent and semi-transparent	If necessary
	Intermediate and topcoat	Q-fit SG-3000 (N)	1mm	2 times	B, R	Green and reddish brown	

* Make sure to read Coating Precautions in page 43 before using this product.

Mineral Ceramic Waterproofing DENSIL NR70

Waterproofing for restroom, porch, balcony and various underground facilities in buildings

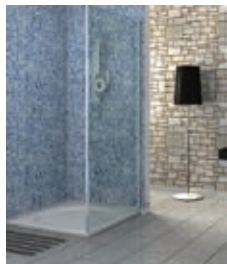
- Composed of mineral powder copolymerized high polymer emersion. Elastic film waterproofing coating with excellent resistance to cracks.
- Excellent adhesion to curved surfaces and self-leveling, 1.5mm film thickness achievable and moisture permeable
- Inorganic compounds with non-toxic, crack resistance, water resistance, durability and heat resistance.



Work Process – 1.5T (1,500µm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 time depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat**
 - Mix: Check the mix ratio. Put powder into binder and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee or trowel.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or an air sprayer.

Coating System, Mineral Ceramic Non-exposed Waterproofing

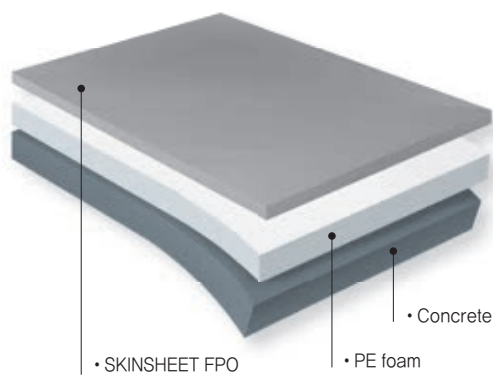


Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Wellpoxy primer/ Cleanpoxy (W) primer	50µm	1 or 2 times	B, R, S	Transparent	
	Intermediate coat	DENSIL NR 70	1.5mm	2 times	Squeegee and trowel	All colors	
	Topcoat	Cleanthane 3000K	40µm	1 time	B, R, S	All colors	

Highly Weather Resistant Sheet Waterproofing SKINSHEET FPO

Waterproof and root barrier sheet

- Thermoplastic polyolefin based single-ply sheet waterproofing sheet. Possible to work without removing the aged elastic urethane film and even if moisture is present on the surface, 10 years of service life guaranteed, perfect waterproofing and root barrier
- Excellent physical properties (tensile strength, tear strength and elongation)
- Received the test report for 2 years of root barrier from an accredited institute



Work Process – 1.2T and 1.6T Thick

- 1. Surface treatment**
 - No extra substrate treatment required
- 2. PE foam installation**
 - Install 5T and 10T thick PE foam.
- 3. FPO sheet installation**
 - Install the FPO sheet.
 - FPO sheet joining, anchor fixing and hot air welding
- 4. Finishing**
 - Flashing finish

Coating System 1, Concrete Surface FPO Sheet Waterproofing (1.2mm and 1.6mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	No extra base surface treatment required					
	Protector	PE foam	5mm, 10mm	1 time		White	
	Waterproofing sheet	SKINSHEET FPO	1,2mm or 1,6mm	1 time	Hot air welding machine	Gray	

Coating System 2, Panel Roof FPO sheet Waterproofing (1.2mm and 1.6mm)

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Panel	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Heat insulation board	PR board	50µm	1 time		White	
	Protector	PE foam	5mm, 10mm	1 time		White	
	Waterproofing sheet	SKINSHEET FPO	1,2mm or 1,6mm	1 time	Hot air welding machine	Gray	



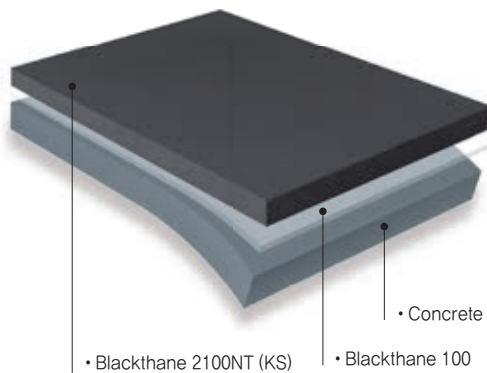
* Make sure to read Coating Precautions in page 43 before using this product.

* Make sure to read Coating Precautions in page 43 before using this product.

Non-exposed Elastic Urethane Waterproofing Blackthane 100, 2100NT, 250NT

Non-exposed roof waterproofing for various buildings

- Non-tar elastic urethane waterproofing coating
- Trowel, squeegee use possible
- It has outstanding physical and chemical properties such as tensile strength, tear strength, elongation, elasticity and impact resistance.
- It has a self-leveling property to form the seamless film.



Work Process – 3.0T (3,000μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
 - Recoating: Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
 - Recoating: Dilute it with thinner (100–200%), and uniformly apply with a roller or an air sprayer.
- 3. Intermediate coat**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee and trowel.

Coating System 1, Two pack Urethane Non-exposed Waterproofing (3mm)



Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Blackthane 100	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Blackthane 2100NT (KS)	3mm	2 times	Squeegee, trowel and R	Black, green and gray	

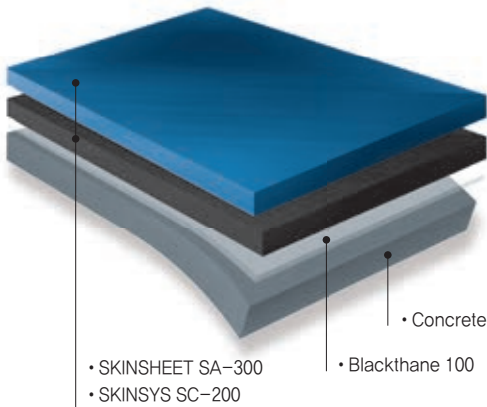
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Blackthane 100	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	Blackthane 250NT	3mm	2–3 times	Squeegee, trowel and R	Black, green and gray	

* Make sure to read Coating Precautions in page 43 before using this product.

Composite Waterproofing SKINSYS SC-200 / SKINSHEET SA-300

Non-exposed composite waterproofing for various buildings

- Composite waterproofing which combines film waterproofing and rubberized asphalt waterproofing sheet
- Dual waterproofing system that mutually makes up for weaknesses of sheet waterproofing and film waterproofing
- Excellent workability and weather resistance



Work Process – 2.5T (2,500μm) Thick

- 1. Surface treatment**
 - New construction site: Remove dust, foreign substances and laitance with grinding and vacuum cleaning machine.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Coating: Uniformly apply with a roller or an air sprayer.
- 3. Waterproofing film**
 - Mix: Check the mix ratio. Put Part A into Part B and mix them with a power disperser.
 - Coating: Uniformly apply with trowel, squeegee and trowel.
- 4. Rubberized asphalt sheet**
 - Application: Overlay application according to the overlapped area of sheet.

Coating System, Non-exposed Composite Waterproofing (2.5mm)



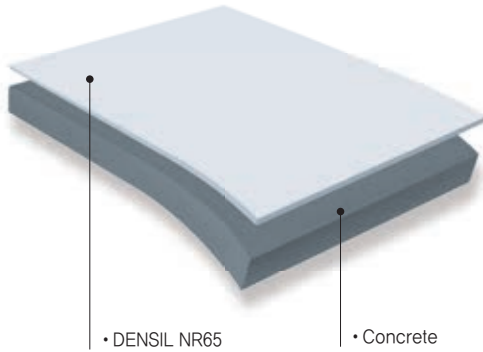
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Blackthane 100	50μm	1 or 2 times	B, R	Transparent	
	Intermediate coat	SKINSYS SC-200	1mm	1 time	Squeegee and trowel	Black	
	Topcoat	SKINSHEET SA-300	1.5mm	1 time		Blue	

* Make sure to read Coating Precautions in page 43 before using this product.

Silicate Powder Waterproofing DENSIL NR65

Non-exposed and exposed waterproofing for ground and underground water tanks of various buildings, water purification plants, sewage treatment plants and underground structures

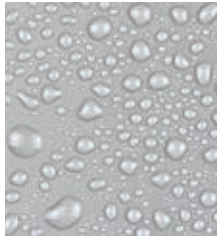
- Silicate powder waterproofing. Composed of powder and emulsion.
- It should be applied on damp concrete. Spray water on the substrate for 2 days to keep it wet.



Application Process – Recommended consumption 1.5kg/m²

- 1. Surface treatment**
 - Thoroughly check honey combs, foam tie holes, cracks, cold joints, wooden joint wires on the substrate in advance. Shred each at least 2cm wide and 2cm deep, repair each with ND22 and cut off leakage areas with NX1 before next process.
 - Fully remove laitance, dust, oil content and other contaminants from the surface.
- 2. Intermediate coat**
 - Prior to apply NR 65, wet the concrete surface with water to keep it fully moisturized.
 - Slurry coat method
Water : NR 65 (B) liquid : NR 65 (P) powder = 4L : 1.8L : 25Kg
 - Trowel method
Water : NR 65 (B) liquid : NR 65 (P) powder = 3L : 1.8L : 25Kg

Coating System, Silicate Powder Coating Waterproofing



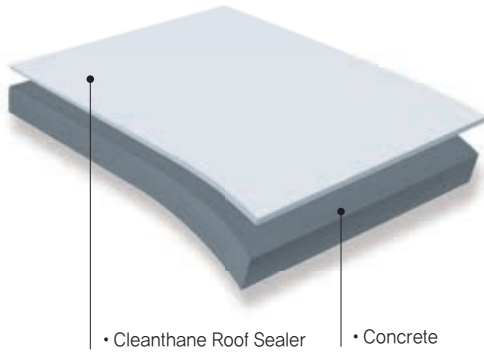
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Water proofing	DENSIL NR65	1.5kg/m²	1 or 2 times	Trowel and brush		

* Make sure to read Coating Precautions in page 43 before using this product.

Roof Filler Cleanthane Roof Sealer

Surface treatment primer to fill crack and joint before applying waterproofing coatings

- Composed of waterbased polymer resin
- Multi-purpose resin which can be mixed with cement or silica
- Excellent crack resistance, adhesion, leveling and low odor
- Easy to apply with a trowel



Application Process – Recommended consumption 1.5–2.0kg/m² (based on 1mm)

- 1. Mixing and application**
 - TPut 14KG of water into 14KG of Cleanthane Roof Sealer and mix thoroughly. If the concrete surface is severely damaged and cracked, apply the mixture of Cleanthane Roof Sealer and water first.
 - Put 120KG of cement/silica into the mixture and mix thoroughly.



Coating System, Roof Sealer



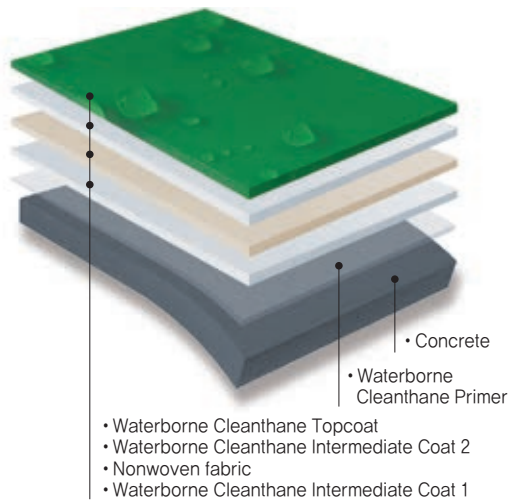
Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Putty	Cleanthane Roof Sealer	1–2mm	1 or 2 times	Trowel, Scraper	White liquid	

* Make sure to read Coating Precautions in page 43 before using this product.

Waterborne Waterproofing Waterborne Cleanthane

Floor and exposed surface waterproofing of various buildings

- Eco-friendly waterborne waterproofing system meets KS F 3211 standard
- Excellent water resistance, coverage, adhesion, low odor and wear resistance
- Energy efficient thanks to its low thermal conductivity
- Can improve durability and adhesion by applying nonwoven fabric

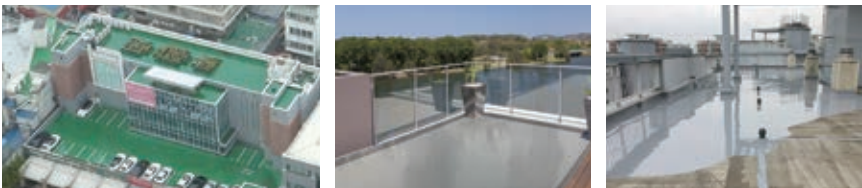


Work Process – 1.1–1.6T (1,100–1,600μm) Thick

- 1. Surface treatment**
 - Remove moisture, oil and used non-stick film with grinding and vacuum cleaning machine.
 - Fill Cleanthane Roof Sealer in cracks.
- 2. Primer (1 or 2 times depending on the absorption condition)**
 - Uniformly apply with a roller or a brush. If necessary, thin it with water by 3%.
 - Be careful not to form a thick primer film on the substrate. Otherwise the adhesion to the intermediate coat may be deteriorated.
- 3. Intermediate coat**
 - Apply Waterborne Cleanthane Intermediate Coat at least 12 hours(20°C) after priming.
 - Apply 2–3 coats using a brush or a roller. Recommended dry film thickness is 1.0–1.5mm.
- 4. Topcoat**
 - Mix: Check the mix ratio. Put Part B into Part A and mix them with a power disperser.
 - Coating: Uniformly apply with a roller or a brush. Apply a single coat after intermediate coat is fully cured.
 - Waterborne Cleanthane Topcoat is compatible with solventbased waterproofing for exposure.

Coating System, Waterborne Roof Waterproofing for Concrete(1.6mm)

Substrate	System	Product Name	Film Thickness	Number of Coats	Coating Method	Color	Notes
Concrete	Surface treatment	Use a power tool to fully remove laitance, dust, oil content and other contaminants from the substrate.					
	Primer	Waterborne Cleanthane Primer	60μm	1 time	B, R	White	
	Intermediate coat 1	Coating System, Shingle Exposed Waterproofing (1mm)	500–750μm	1 time	B, R	Gray, White, Green	
	Optional	Nonwoven fabric	It is recommended to apply nonwoven fabric to improve durability, appearance and adhesion to topcoat.				
	Intermediate coat 2	Waterborne Cleanthane Intermediate Coat	500–750μm	1 time	B, R	Gray, White, Green	
	Topcoat	Waterborne Cleanthane Topcoat	50μm	1 time	B, R	Gray, White, Green	



* Make sure to read Coating Precautions in page 43 before using this product.

Coating Precautions

Epoxy Floor Coating

1. Do not apply epoxies above 85% RH and below 5°C. At high relative humidity levels, defects may occur due to condensation.
2. In contact with high humidity or water during the curing process, amine blushing or blooming of epoxy can appear.
3. Winter(below 10°C) delays the drying schedule and increases the possibility to be exposed to moisture. Defects such as tackiness or efflorescence caused by amine blushing may occur. It is necessary to coat Cleanpoxy 3100 above 10°C.
4. If water content on the amine blushed surface is contaminated, blooming occurs. Avoid contamination by water, rain and snow. Do not wash down the floor.
5. In winter(below 10°C), warm up epoxies higher than 5°C before use. With low temperatures, viscosity of a paint increases and epoxy application gets harder. If necessary, dilute it with DR-100 epoxy thinner by 1% or less before application.
6. If excessively diluted, color separation, amine blushing, deteriorated hardness, poor drying, etc. may occur.
7. These are two pack products. Make sure to use them within pot life. If used after pot life, film defects such as poor leveling and bubbles may occur.
8. The sufficient performance of epoxies can be achieved in 7 days at 20°C after it is coated.
9. If the maximum overcoat time has passed, appropriate substrate preparation is required for topcoat adhesion.
10. Epoxies will yellow or be chalked if applied outdoor or exposed to ultraviolet radiation.
11. Particularly white or bright colored epoxies will easily yellow. Solventbased urethane or epoxy topcoat is recommended.

Urethane Waterproofing Coating

1. Store in a cool, dry dark place under room temperature(5°C–35°C). Avoid direct sunlight during delivery, storage and handling. If the paint temperature is high, its drying time will be faster and workability and leveling problems may arise.
2. The sufficient performance of epoxies can be achieved in 7 days at 20°C after it is coated.
3. These are two pack products. Make sure to use them within pot life. If used after the pot life, defects on leveling, workability, appearance and adhesion may occur.
4. If the maximum overcoat time has passed, appropriate substrate preparation is required for topcoat adhesion.
5. During repair coating over the existing film, check adhesion before use.
6. Avoid outdoor coating in the hot summer. If inevitable, apply after 4pm when the surface temperature drops. It is possible to reduce bubbles caused by surface heat.
7. If the maximum overcoat time has passed or it is exposed to rain or moisture after intermediate coat, poor adhesion may occur on the following coating. Dilute primer by 100–200% and apply it before overcoat.
8. The actual consumption may vary depending on the condition of surface, application method and conditions.
9. Please mix Part A and Part B according to the proper mixing ratio. Otherwise, delayed drying time, poor curing or poor physical properties may occur.
10. Primer is to permeate the concrete surface and reinforce it for adhesion. While applying primer, avoid excessive coating because it causes poor adhesion between the surface and following coating.
11. If the surface is hard to permeate, dilute primer by 100–200% not to form thick film.
12. The first coat on severely aged concrete surface may cause pinholes. Fill voids and pinholes with New-Tansungseal(N) then apply follow-up coats.
13. Please keep the right ratio of paint to thinner and don't use other suppliers' thinners or alcohol contained thinners(epoxy thinner, lacquer thinner). They can cause drying problems.
14. Cleanse used equipment with proper thinner before storage.