

# DHDC-7500RS



## Non-solvent-based epoxy RS

This paint is a special amine curing type non-solvent-based epoxy paint and has an excellent protection performance only by one coat. As it is excellent in mechanical properties such as impact resistance, bending resistance, etc. and water resistance compared with general epoxy paints, it is suitable as a lining paint for various pipe lines and steel structures. Additionally, it is an eco-friendly paint that can provide corrosion resistance and chemical resistance and shorten the painting process because it forms a thick film with strong adhesive force only by one coat. This product has obtained the KC hygiene and safety standard certification of the Korea Water and Wastewater Works Association.

Usage	Lining of various water treatment facilities and eco-friendly purified water storage tank lining Various steel structures requiring anti-corrosion and concrete lining
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### Specification

Paint type	Non-solvent-based epoxy / High build (Two-Component)			
Drying time	Category	10°C	20°C	30°C
	Set-to-touch	8 hours	5 hours	3 hours
	Dry-hard	36 hours	24 hours	15 hours
	Over-coat (Min.)	36 hours	24 hours	15 hours
	Over-coat (Max.)	10 days	7 days	5 days
Pot life	80 minutes	50 minutes	30 minutes	
Thinner	Not necessary (Cleaning thinner : DR-100)	Dilution ratio	No dilution	
Specific gravity	Approx. 1.4			
Theoretical Coverage	2.5 m <sup>2</sup> /ℓ (1 time - 400μm)	Solid volume ratio	Approx. 99±1%	
Color	Gray, limited ordered colors	Thickness of dried film	300~600μm	
Mixing ratio	Base(A)/Hardener(B)=3/1 (Volume ratio)	Flash point	Non-hazardous	
Gloss	Glossy	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

Solvent free epoxy	A special amine curing type non-solvent-based epoxy paint that is a high-build eco-friendly paint (RS and KC certified product)
Excellent film property	Adhesion, water resistance, salt water resistance and chemical resistance are excellent.

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated. The degree of surface treatment to obtain an excellent steel protection effect should be at least SSPC-SP 10 or Sa2.5 (near white metal blast cleaning). The surface roughness should not exceed 75 μm.</li><li>2. Apply the coating on steel surface immediately after surface treatment.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. It should be coated with airless spray equipment having a pump of 60:1 or higher.</li><li>2. At low temperature, an In Line Heating hose should be used to facilitate pumping and spraying. If the temperature is maintained above 30°C, a normal 45:1 airless spray can be used.</li><li>3. Airless spray coating :<ul style="list-style-type: none"><li>- Equipment : airless spray greater than 60:1</li><li>- Tip diameter : 0.021"~0.025"</li><li>- Injection pressure : More than 4000 P.S.I (280kg/cm<sup>2</sup>)</li><li>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ul></li><li>4. Air spraying is not recommended, and a brush and roller can be used for the touch-up of local areas and partial repair coating.</li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Preceding coating: steel - Solvent free epoxy and solvent type primer, epoxy zinc primer, inorganic zinc primer concrete - Solvent free epoxy clear and solvent type clear primer<ul style="list-style-type: none"><li>- Upon coating on the inorganic zinc paint, a mist coat is required.</li></ul></li></ol>
Remarks	<ol style="list-style-type: none"><li>1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.</li><li>2. Curing temperature should be kept at 10°C or higher. Do not paint at a relative humidity of 85% or higher.</li><li>3. As this is a non-solvent-based product with a short pot life, be sure to make a plan for coating by paying attention to the pot life.</li><li>4. For coating areas exposed to the outside, yellowing and chalking may occur in a short period of time due to the effect of sunlight. Upon coating for areas exposed to the outside, be sure to apply top coat.</li></ol>