

# NEW-METALON<sub>(FAST DRYING ANTI-CORROSION PRIMER)</sub>

## DNU-3000 Reddish Brown

This paint is made by mixing excellent alkyd resin with anti-corrosive pigments. It is a fast drying anti-corrosive primer with good oil resistance, adhesion, and anti-corrosion properties to steel surfaces. It is excellent in stretchability and adhesion for metal expansion and is an economical paint widely used as an anti-corrosive primer for steel structures that are not immersed in water. In particular, since it is a fast drying general anti-corrosive primer, the work efficiency is improved when used in a factory that has a painting line.

Usage

Anti-corrosion paint for steel structures

### Specification

Paint type	Alkyd / Anti-corrosion primer			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	3 hours	1 hour	40 minutes
	Dry-through	18 hours	8 hours	6 hours
	Time required for re-coating (min.)	32 hours	18 hours	10 hours
Thinner	DR-306	Dilution ratio	Volume ratio : 5~10%	
Specific gravity	Approx. 1.4			
Theoretical Coverage	12~13 m <sup>2</sup> /ℓ (1time - 35μm)	Solid volume ratio	Approx. 45±2%	
Color	Reddish brown	Thickness of dried film	35μm	
Mixing ratio	One-component	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	
Gloss	Matte			

### Product Properties (Physical Property Data)

Film property	Oil resistance and adhesion are excellent.
Fast-drying ability	It is a fast-drying paint with excellent workability.
Elasticity	Elasticity and adhesion for metal expansion are excellent.

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. New metal plate : Completely remove rust, oil, dust and other contaminants from the surface of the substrate by applying blasting cleaning at Sa2 or higher.</li><li>2. Repair coating: Completely remove worn film, rust, grease, salt, dust, and other contaminants. For damaged parts, apply repair coating to make the film thickness the same as the surrounding coating after correcting by wire brushing. Additionally, to enhance the adhesion, sand the surface of the old film with sandpaper.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Although coating can be done by either brush, roller, air or airless spraying,</li><li>2. Airless spray coating :<ul style="list-style-type: none"><li>- Tip diameter : 0.017"~0.021"</li><li>- Injection pressure : 143 Pa</li><li>- Injection angle : 65°</li></ul>(Airless spray data are for reference only, and it is adjusted according to the coating conditions.)</li><li>3. Coating conditions : The surface of the substrate must be clean. The surface temperature should be at least 3°C higher than the dew point to the relative humidity should be less than 85%.</li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Follow-up coating : Alkyd top coat</li></ol>