

# SPEEDPOXY 100

## Fast-drying epoxy anti-corrosive primer



This paint is a two-component anti-corrosive paint made mainly of active oxidized steel and an excellent anti-corrosive pigment based on epoxy resin. This paint dries very fast, has excellent adhesion to steel surfaces and forms a hard dry film at the same time. It is excellent in anti-corrosive properties, water resistance and oil resistance and is suitable as an anti-corrosive paint for various steel structures. It is a fast-drying epoxy anti-corrosive primer that has the advantage of being able to complete the top coat within one day due to the fast drying speed.

Usage

Anti-corrosive primer for steel structures requiring long-term anti-corrosion

### Specification

Paint type	Epoxy / Anti-corrosive primer (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	40 minutes	20 minutes	10 minutes
	Dry-hard	5 hours	3 hours	1 hour
	Over-coat (Min.)	7 hours	4 hours	2 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	30 minutes	20 minutes	10 minutes
	Pot life	8 hours	6 hours	4 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 15%	
Specific gravity	Approx 1.3(Based on reddish brown)		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	10 m <sup>2</sup> /ℓ (1time - 50μm)	Solid volume ratio	Approx. 50±1%	
Color	Reddish brown, other colors	Thickness of dried film	50μm	
Mixing ratio	Base(A)/Hardener(B)=3/1 (Volume ratio)	Flash point	At least 7°C	
Gloss	Matte	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

Quick-drying speed	The drying speed is fast among epoxy type anti-corrosive undercoats.
Excellent film property	Water resistance, oil resistance, and anti-corrosive properties are excellent, and it can be applied to the inside of crude oil or water tanks.

### 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. For steel, apply immediately after surface treatment.</li><li>3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Coating can be done by either brush, roller, air or airless spray coating.</li><li>2. Airless spray coating:<ul style="list-style-type: none"><li>- Tip diameter : 0.015"~0.021"</li><li>- Injection pressure : More than 2500 P.S.I(176kg/cm<sup>2</sup>)</li><li>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ul></li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Follow-up coating : Epoxy resin, urethane resin, PVDF paint are suitable.</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. 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>