DHDC-7000

Putty for metal

This paint is a two-component modified non-solvent-based epoxy putty made mainly of special modified epoxy resin. In particular, it forms a strong protective film by chemical bonding between modified non-solvent-based resin and cathodic protective anti-corrosive metal powder, and exhibits excellent anti-corrosive properties against various steel structures.
Mixing and scraper workability are easy, and it is excellent in water resistance, corrosion resistance, chemical resistance, mechanical strength and interlayer adhesion with the subsequent coating material. Moreover, it demonstrates excellent performance as a metal putty for repairs and grain filling of steel structures due to its fast-drying speed.

Usage	Repair and reinforcement of steel structures Repair and filling of various steel structures requiring anti-corrosion Eco-friendly non-solvent-based metal putty

Specification

Paint type	Modified solvent free epoxy system / Putty (2-Component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	2 hours	1 hour	30 minutes
	Dry-hard	10 hours	5 hours	3 hours
	Over-coat (Min.)	8 hours	3 hours	2 hours
	Over-coat (Max.)	15 days	7 days	5 days
	Pot life	2 hours	50 minutes	30 minutes
Specific gravity	Approx. 1.9	Solid volume ratio	Approx. 99±1%	
Color	Metallic Gray	Flash point	At least 74℃	
Mixing ratio	Base(A)/Hardener(B)=2/1 (Volume ratio)	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	
Coating method	Hera, trowel, knife			

Product Properties (Physical Property Data)

Metal putty	It is a non-solvent-based putty for repairing and reinforcing metal structures with easy mixing and hera workability.
Excellent film property	Anti-corrosive properties, water resistance, corrosion resistance, chemical resistance, and mechanical strength are excellent, and the drying speed is fast.

How to Use

Surface treatment	1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated. 2. If there are surface defects due to welding, welding seams, sharp ends, etc., they should be removed. 3. The degree of surface treatment should be of at least SSPC-SP 10 or Sa2.5 (near white metal blast cleaning). 4. After surface treatment, it should be applied before oxidation of the metal plate.
Coating Method	1. For the repair area on a steel surface in which surface treatment has been completed, filling is carried out with a putty that is uniformly mixed. (After application of epoxy anti-corrosive undercoat, filling can be carried out for the repair area on the steel surface.) 2. Apply smoothly with a scraper and trowel. 3. Be sure to formulate a plan for coating by considering the pot life. (Dilution with a non-solvent-based putty is prohibited)
Preceding & Follow-up Coating	1. Follow-up coating : Solvent free and Solvent type epoxy primer, epoxy zinc rich primer etc.
Remarks	1. Sufficient performance after last coating is achieved after drying for 7 days at 20℃. 2. At the end of the work, clean any putty remaining on the paint tools with epoxy thinner (DR-100) before it is hardened after the pot life. 3. If the maximum re-coating available time has elapsed, proper surface treatment is required for excellent adhesion of the subsequent coating material.