

RED LEAD READY MIXED PAINT

KSM-6030 Class 1

This paint is an anti-corrosive metal primer that is manufactured by mixing and dispersing red lead and iron oxide anti-corrosive pigments to vehicles with different characteristics. It is standardized to four kinds according to the type of vehicle and usage purpose. It is a red lead based ready mixed anti-corrosive paint with excellent durability, oil resistance, and adhesion.

Usage

Type 1: Anti-corrosive primer for bridges and other steel structures exposed to corrosive environments
 Type 2: Anti-corrosive primer for steel structures and other steel surfaces exposed to corrosive environments
 Type 3: General anti-corrosive primer for repair coating requiring a clean steel surface and fast-drying
 Type 4: General anti-corrosive primer, which is a practical product

Specification

Paint type	Long oil alkyd / Top coat				
Category	Category	Type 1	Type 2	Type 3	Type 4
	Dry surface condition	Matte			
	Color	Orange	Reddish brown	Orange	Orange
	Specific gravity	3.03	2.13	2.31	2.06
	Theoretical Coverage(m ² /ℓ)	24~26	21~23	16~18	22~24
	Thickness of dried film	30μm			
	Number of painting	1~2times			
	Set-to-touch(20°C)	6 hours	4 hours	1/2 hours	5 hours
	Dry-hard(20°C)	36 hours	16 hours	6 hours	24 hours
	Time required for re-coating (min.) (20°C)	36 hours	16 hours	6 hours	24 hours
	Thinner	KSM-6060			
		Class 2	Class 2	Class 1	Class 2
	Dilution ratio	10%(Volume ratio)			

Product Properties (Physical Property Data)

Category	Type 1: Anti-corrosion for bridges, steel towers, facilities, etc. It is suitable for cases where the coating interval is sufficient after coating (at least 36 hours). As linseed oil is used as a vehicle, permeability is excellent, and as it dampens the rust that is hard to remove,
	Type 2: Steel structures exposed to corrosive environments, fast-drying type compared to type 1
	Type 3: Rust prevention for steel, general anti-corrosive paint for repair works requiring fast-drying (possible to apply twice a day)
	Type 4: General anti-corrosive primer for building painting Exhibits a drying ability similar to type 2

How to Use

Surface treatment	<ol style="list-style-type: none"> 1. New metal plate: After completely removing rust, forge scale, dust and other impurities by spray cleaning at Sa2 or wire brushing at St3, apply a proper wash primer for preparative protection of the substrate. 2. Repair coating: After removing rust, salt, grease and old coating on the surface of the substrate, apply repair coating to make the film thickness the same as the surrounding coating.
Coating Method	<ol style="list-style-type: none"> 1. Although coating can be done by either brush, roller, air or airless spraying, 2. Airless spray coating : <ul style="list-style-type: none"> - Tip diameter : 0.017 ~ 0.021 μm - Injection pressure : 2,100 Pa - Injection angle : 65° (Airless spray data are for reference only, and it is adjusted according to the coating conditions.) 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%.
Preceding & Follow-up Coating	1. Follow-up coating : Alkyd top coat
Remarks	※ It is a KS mark product corresponding to KSM-6030 class 1.