

# 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(m²/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	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	1. Although coating can be done by either brush, roller, air or airless spraying, 2. Airless spray coating : - 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.