

FIREMASK SQ-1000**INTUMESCENT PAINT**

Intumescent paint FIREMASK SQ-1000 is a middle coat in solvent-borne anti-fire paint to provide fire-protection for plants or facilities that have a steel structure and handle flammable materials.

FIREMASK SQ-1000 is approved with its superior heat insulation ability by Korea standard test for intumescent paint under license of Ministry of construction and transportation.

Recommended use Middle coat in anti-fire paint to provide fire-protection for plants or facilities having steel structure.

PHYSICAL PROPERTIES

Finish and Color

Drying Time

	5°C	20°C
Set to touch	5 hours	2 hours
Dry hard	24 hours	12 hours

S V R

Approx. 56% (ASTM D 2697)

Spreading Rate
(Theoretical)1.6L/m² in 900 microns dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.3 (Kg/L)

Flash Point

25°C(hermetically)

Flat. White.

APPLICATION DETAILSSurface
Preparation

- * Remove old paint film, dust, oil and grease, other contaminants.
- * As a rust protective primer : KOREPOX PRIMER EP170 Red-lead based paint KSM5311, inorganic zinc primer GALVANY IZ180N, organic zinc primer KOREPOX ZINC RICH PRIMER EZ175.
- * If GALVANY IZ180N is applied as primer, mist coat will help to avoid popping of the subsequent coat.
- As a mist coat : FIREMASK SQ-1000(DFT : approx. 100□)

Application
Conditions

Thinning ratio : 50-60% by volume

Thinning

The surface must be completely clean and dry.
Do not apply when relative humidity is above 85%.
The surface temperatures must be at least 3°C above dew point to prevent condensation.

□ This data is believed to be accurate, but without any obligation.

Please consult with our technical department for detail information.

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INTUMESCENT PAINT

Summer	season(THINNER No. 002), Winter season(THINNER No. 003) Apply after mixing for 5 mins with Hand-Mixer(above 200rpm)
Methods of Application	Brush, Roller and Spray (air or airless) application. For airless spray application ; Nozzle orifice : 0.023" ~ 0.031" Output pressure : 1,700 ~ 2,100 psi / 120 ~ 150 atm Fan : 30°~ 60° Thinning : Max. 10% by volume) (Airless spray data are indicative and subject to adjustment.)
Film Thickness	Recommended per coat 450 microns dry film(Apply 2 times) Recommended per coat 300 microns dry film(Apply 3 times)
Recoating Interval	At 20°C/68°C, below 80% R.H, under well-ventilated condition Minimum : 12 hours In highly humid conditions(ex. In heavy rain), recoating interval can be extended as delayed period.
Subsequent Coat	KORABOR ENAMEL RT546H, KORETAN TOPCOAT UT6581, KOREDOM READY-MIXED PAINT LT416 or according to specification. Top coat must be applied in 3 days(in summer) and 7 days(in winter). Impossible for exterior application(If unavoidable, inquire of our company).
Shelf Life	12 months (Store in dry, well-ventilated place, 5 ~ 35°C)
Packing Unit	18ℓ
Remarks	Avoid the cause of fire and direct sunlight during storage. Apply after adequate mixing. Protect skin and eyes, and avoid prolonged breathing of solvent Vapors. Use with adequate ventilation. Respiratory protection is recommended when applying in confined spaces or stagnant air. Sagging may occur in case of excessive thinning. Keep containers closed when not in use. Keep coating utensils after washing several times with Thinner.
Issued	Nov., 2002