



INTUMESCENT PAINT FIREMASK SQ-2300 (2h for Beam)

Intumescent paint FIREMASK SQ-2300 is a middle coat **for Beams** in solvent-borne anti-fire paint to provide fire-protection of plants or facilities that have a steel construction and handle flammable materials.

FIREMASK SQ-2300 is approved with its superior heat insulation ability by Korea standard test for 2h intumescent paint under license of Ministry of Land, Transport, and Maritime Affairs.

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

PHYSICAL PROPERTIES

Finish and Color Flat / White

Drying Time

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

※ The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions must be checked and informed from us.

Non-volatile 68 ± 2 %

Spreading Rate 5.15 L/m² in 3,350 microns dry film thickness on a smooth
(Theoretical) surface.

Specific Gravity Approx. 1.25 (Kg/L)

Flash Point 25°C (hermetically)

APPLICATION DETAILS

Surface Preparation

- * Remove old paint film, dust, oil and grease, other contaminants.
- * As a rust protective primer :
Epoxy based primer KOREPOX PRIMER EP170,
Red-lead based paint KSM6030(Class 1),



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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 : EP170QD (DFT : approx. 40 μ m)

Application Conditions

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(5°F) above dew point to prevent condensation.

Thinning

Summer season(THINNER No.002),

Winter season(THINNER No.003) Apply after mixing for 5 min. with Hand-Mixer (above 200rpm)

Methods of Application

Brush, Roller and Spray (air or airless) application.

For airless spray application ;

Nozzle orifice : 0.027" ~ 0.033"

Output pressure : 1,800 ~ 2,200 psi / 120 ~ 150 atm.

Fan : 30°~ 60°

Thinning : Max. 3% by volume

(Airless spray data are indicative and subject to adjustment.)

Film Thickness

Recommended per coat 1,290 microns wet film (Apply 4 times)

Recoating Interval

At 20°C/68°F, below 80% R.H, under well-ventilated condition

Minimum : 24 hours

In highly humid conditions(ex. In heavy rain), recoating interval can be extended as delayed period.

Subsequent Coat

KORABOR ENAMEL RT546, KORETAN TOPCOAT UT6581, KOREDOR READY-MIXED PAINT LT413, FIREMASK TOPCOAT or according to specification.

Top coat must be applied after 3 days(in summer) and 7 days (in winter) of the last mid-coat spay. Impossible for exterior Application. (If unavoidable, inquire of our company).



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Shelf Life	12 months (Store in dry, well-ventilated place, 5 ~ 35°C)
Packing Unit	18 L
Remarks	<p>Avoid the cause of fire and direct sunlight during storage.</p> <p>Apply after adequate mixing.</p> <p>Protect skin and eyes, and avoid prolonged breathing of Solvent Vapors. Use with adequate ventilation.</p> <p>Respiratory protection is recommended when applying unconfined spaces or stagnant air.</p> <p>Sagging may occur in case of excessive thinning.</p> <p>Keep containers closed when not in use.</p> <p>Keep coating utensils after washing several times with Thinner.</p>
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