Intumescent paint FIREMASK SQ-2600(column) is a middle coat 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-2600(column) is approved with its superior heat insulation ability by Korea standard test for 2 hours intumescent paint under license of KOREA INSTITUTE of CIVIL ENGINEERING and BUILDING TECHNOLOGY.

Recommended use	Middle-coat for columns in anti-fire paint to provide fire-protection for plants or facilities having steel construction. (On-site application, Interior use applicable)

Physical Properties

Finish and Color	Flat / White
Specific gravity	Approx. 1.25 (Kg/L)
Solids by volume	65%
Spreading rate (Theoretical)	4.00 L/㎡ in 2,600 microns dry film thickness on a smooth surface.
Flash point	25℃ (hermetically)

Application details

Surface preparation	* Remove old paint film, dust, oil and grease, other contaminants.
Preceding coat	* As a rust protective primer : Epoxy based primer KOREPOX PRIMER EP170, Red-lead based paint KSM6030(Class 1), 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 : EP170 (DFT : approx. 40㎛)
Method 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.)
Thinning	Summer season(THINNER No.002), Winter season(THINNER No.003) Apply after mixing for 5 min. with Hand-Mixer (above 200rpm)
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℃(5℉) above dew point to prevent condensation.
Film thickness	Recommended per coat 1,333 microns wet film (Apply 3 times)

	Recommended per coat 1,000 microns wet film (Apply 4 times)		
Drying time			
	Substratetemperature	5°C/41°F	10°C/50°F
	Set to touch	5 h	2 h
	Dry through	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.		
Subsequent Coat	KORETAN TOPCOAT UT6581, 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).		
Recoating interval	At 20°C/68°F, below 85% 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.		

Storage and package

Shelf life	12 months
Storage	Store in dry, well-ventilated place, 5 ~ 35℃
Packing Unit	18 L

Remarks

Handling Precautions	* 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. * Store out of children's reach.
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Revision	

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