

JCX IP-H

Water-Based Intumescent Fire- Resistance Mastic Coating

Product description

The JCX IP-H is a water-based intumescent paint based on non-flammable resin with high fire protective efficacy. The paint film will form a foam layer when exposed to fire. This foam layer will provide heat resistance to reduce the temperature rising speed of steel structures.

Uses

Used for beams and columns of steel structures and the fire protection performance.

Characteristics

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Finish

Flat

Colour

White

Specific Gravity

1.30 ± 0.1 Kg/L (25°C)

Flashpoint

Above 100°C

Drying time

Set to touch not over than 1 hour (25°C)

Coating Intervals

Spray : min 4 hrs ; Brush : min 1 hr

Solid Content

NV:69% ± 3%

Advantages

- Low reactive temperature: When temperature was reached to 200°C above, the paint film may form a foam layer with the increasing room temperature to rapidly expand hot-block for several times to protect structures safely
- No asbestos ingredient: Contents did not have asbestos fiber.
- Thin paint film: Excellent fire protection in only thin paint film then can reach the fire protection
- Smooth and good appearance: The finish has good smooth film also may top various colour paints.
- Be able to high-build and easy apply.

Theoretical Coverage

The minimum weight of unit area, wet film thickness and dry film thickness for per coat to refer as follows:

Application method	Wt. of unit area(gm/m ²)	W.F.T.(mm)	D.F.T.(mm)
Brush	600	0.44	0.26
Spray	810	0.60	0.36

Standard of Fire Test

1. BS 476 Part 21 Methods for determination of the fire resistance of loadbearing elements of construction.
2. Correspond with CNS 11728
3. CSN 14705-1
4. Correspond with CNS 15080 low VOC
5. Correspond with Healthy Green Building Material.

Preceding Coats

JCX AQ 01 Primer – 2K Water based

Optional *: Water-based or Solvent based topcoat

Storage Shelf Life

12 months under normal storage conditions

Application Methods

Airless Spray or Brush

For Airless spray : Tip Size:0.023”~0.027” ; Air Pressure:50~80 psi ; Pump Ratio: 45:1 or greater

Note

1. Maximum 2 times by spray or 4 times by brush within 24 hours.
2. Adhered moisture, grease, rust, dirt or loose paints film on substrate must be cleaned thoroughly.
3. Avoid applying the paint in temperature low to 5°C or humid exceed 85% RH ,particularly, the wet surface must be thoroughly dried.
4. The fire resistance mastic coating cannot be drenched with rain directly before applying the topcoat.

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