

REC STEEL SAFECOAT

FIRE RETARDANT COATING

DESCRIPTION

REC STEEL SAFECOAT is a single component latex intumescent fire-retardant coating ideally suited for exposed interior structural steel where a flame spread and fire resistance rating is required. It is ideal for interior steel columns, trusses, beams and other exposed structural members. It limits thermal penetration by expanding to many times the original dry film thickness when exposed to heat. This expanded material forms a char which insulates the substrate against heat, and reduces available oxygen to the surface.

PRIMARY APPLICATIONS

- Imparts fire rating to exposed steel structural members.
- Provides an aesthetic, thin, decorative finish to comply with architectural designs.

FEATURES/BENEFITS

- Forms a char under fire conditions, preventing the spread of flames, and slowing the penetration of heat through the substrate
- Excellent adhesion and durability when applied to metal. The Waterborne Epoxy Primer is approved anti-corrosive primer.
- Easy to use but will need to be built up to proper thickness, typically 0.51–0.64 mm per application.

TECHNICAL INFORMATION

Coating Type	Latex
Finishing	Off-white, flat finish
Color	White
Specific Gravity	1.58
Hardness	D65-75
Solids by Weight	77%
Solids by Volume	65%
VOC	0
Bond Strength	660 psi
Dry Time (Touch)	1-2 hours (varies with thickness, Temperature and humidity)
Flash Point	No Flash

DIRECTIONS FOR USE

SURFACE PREPARATION:

All surface preparation should be carried out in accordance with good painting practices. Remove all loose, peeling or powdery paint from the surface. All dirt, grease, oil, wax and other foreign material must be removed with a suitable cleaner and allowed to dry thoroughly. Steel must be primed with an approved anti-corrosive primer. If steel is already primed, perform a field adhesion test. If unsuitable, recoat with approved primer.

APPLICATION:

For optimal finish, apply **REC STEEL SAFECOAT** using airless spray equipment. Remove both the gun and pump filters prior to spraying. Use an equipment depending on the dimensions of the steel member and balancing coverage and overspray considerations.

REC STEEL SAFECOAT is a heavier body paint requiring mechanical/shear mixing for best product viscosity for spraying. Use reliable and consistent pumping equipment to achieve optimal results. Apply each coat uniformly to entire surface to obtain the smoothest finishing. Apply one coat per day or recoat once prior coat reaches a shore D hardness of 50.

Surface and ambient temperature must be maintained at greater than 10°C during application and must remain so for at least 48 hours following the application.

REC STEEL SAFECOAT is intended for interior use only. If the coated substrate will be subject to repeated washing, prolonged high humidity, or high traffic, a suitable top coat is required. More than one additional finishing coat could adversely affect the flame spread rating and smoke developed classification. A wet film thickness gauge can be used at the start of the application to check that sufficient **REC STEEL SAFECOAT** has been applied. Further contact Technical Department of the Reckon Chemicals PVT Ltd, LAHORE.

CLEANING OF THE TOOLS

All application tools can be easily cleaned with water. If product has dried on, use hot soapy water to soften and remove it.

PACKING

REC STEEL SAFECOAT is supplied in pails, drums and tanks on request.

STORAGE

REC STEEL SAFECOAT has a shelf life of 12 months from date of manufacture.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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