



## SafeCoat® Steel

### DESCRIPTION

**SafeCoat® Steel** 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.

### USES

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

### FEATURES

- **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 **PRECIDIUM™ 41-P Waterborne Epoxy Primer** is Quantum's approved anti-corrosive primer. (Contact the manufacturer or distributor for alternative acceptable anti-corrosive primers).
- **Easy to use** but will need to be built up to proper thickness, typically 20-25 mils per application.

### PROPERTIES

<b>Coating Type</b>	Latex
<b>Finish</b>	Off-white, flat finish
<b>Color</b>	Standard: White A suitable top coat may be used to achieve the desired colour, sheen and durability. Contact the distributor or manufacturer.
<b>Specific Gravity</b>	13.18lbs/US Gallon or 1.58g/mL
<b>Hardness</b>	D65-75
<b>Solids by Weight</b>	77%
<b>Solids by Volume</b>	65%
<b>Coating VOC</b>	0
<b>Bond Strength</b>	660 psi
<b>Dry Time (Touch):</b>	1-2 hours (varies with mil thickness, Temperature and humidity)
<b>Flash Point</b>	No Flash
<b>Storage Limits</b>	Keep from freezing (above 50° F, 10°C recommended)
<b>Shelf Life</b>	12 months
<b>Packaging</b>	Available in one, five and fifty-five US gallon quantities

### FLAME SPREAD and FIRE RESISTANCE RATINGS OF LISTED PRODUCT

Test	Rating	Listing Design Number
CAN/ULC S-102-18	Flame Spread <b>Class A (0)</b>	
CAN/ULC S-102-18	Smoke Developed <b>Class A (25)</b>	
UL 263 (2011) CAN/ULC S-101 (2014) ASTM E119 (2018a)	Fire Resistance <b>30-120 minutes</b> (Contact the manufacturer for mil thicknesses to achieve your required rating which varies depending on the steel member type and size.)	QTS/IF 120-01 Intertek: Listing Section(s): ROOF/CEILING, FLOOR/ CEILING, BEAM & COLUMN ASSEMBLIES. CSI Code(s): 07 81 00 Applied Fireproofing; 07 00 00 Thermal and Moisture Protection; 07 81 23 Intumescent Fireproofing