



SafeCoat[®] PVC Intumescent Coating

PRODUCT DESCRIPTION

SafeCoat PVC Intumescent Coating is an acrylic, solvent based paint which can be used in exterior or interior applications to achieve a Flame Spread rating of 0 and a Smoke Developed Rating of 35 as tested under **CAN/ULC S102.2**. This intumescent fire retardant coating is manufactured specifically for PVC pipe and fittings. It is especially effective where exposure to moisture and UV radiation is a concern or coating is subject to repeated cleaning. It limits flame spread 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 thus limited flame spread to a **CLASS A** on PVC, as tested under **CAN/ULC-S102.2** standard, in a single coat application sprayed at 100 ft²/USG. This is an Intertek Warnock Hersey Listed product.



	Flame Spread	Smoke Development
PVC Pipe	0	35
Fibreglass wrapped		
PVC Fittings	1	1
System 15 Fittings	0	20

USES

- imparts a Class A Flame Spread Rating of 0 and Smoke Developed of 35 when applied to PVC
- can be used in Return Air Plenums, High Rises, Non-Combustible Buildings where traditionally only copper and/or cast iron pipe was used. See NBC articles 3.2.6, 3.6.4.3, 3.1.5.15.
- can be applied as a mandatory upgrade to assist owners and property managers to meet the latest fire and building code requirements
- can be applied as a voluntary upgrade to lower fire risks and reduce insurance costs
- factory or job-site application

FEATURES

- is **cost-effective**. A single coat applied at 100 ft²/USG achieves a "Class A" Flame Spread Rating
- is **fire-resistant**. Under fire conditions, it forms a char, preventing the spread of flames, and smoke
- has excellent **adhesion** and **durability**
- is easy to apply - may be applied by brush, roller or spray
- dries quickly to a flat (matte) finish, has the appearance of conventional flat paint
- excellent adhesion to PVC pipe. Tested to **ASTM D4541**

TECHNICAL DATA and PROPERTIES

Coating Type	Solvent based
Finish	Grey, flat finish
Color	Standard: Grey Optional: Black (minimum 55 gal.)
Specific Gravity	10.9 lbs/US Gallon or 1.2 g/mL
Solids by Weight	61%
Solids by Volume	46%
Dry Time	Touch: 30 min. to 45 (varies with temperature and humidity) Recoat: when touch dry Full cure: 48 hours at 20°C
Film Thickness	Wet: 16 mils Dry: 7.4 mils
Flash Point	-9°C (closed cup)
Storage Limits	Store in cool dry place in a tightly sealed container. Keep away from ignition sources.
Shelf Life	24 months
Packaging	Available in one, five and 55 US gallon quantities
FR Coating Footage Capability/Gallon	
1-1/2"	204 lineal feet
2"	161 lineal feet
3"	109 lineal feet
4"	85 lineal feet
6"	57 lineal feet
8"	45 lineal feet
10"	35 lineal feet
12"	30 lineal feet

*Do not exceed the above footage requirements as this is the maximum footage that can be covered per gallon of coating.

*When applying the coating onsite please use a mil thickness gauge to confirm the coating thickness being applied.

PRODUCT WARRANTY

Recommendations for the use of our products are based on tests carried out at government approved labs. Manufacturer and seller are not responsible for results where the product is used under conditions beyond our control. The purchaser of this product must rely on his own judgement in determining suitability for his purpose, and in applying directions as to handling and use. Quantum makes no warranty, expressed or implied, except that if this product proves on inspection to be defective, Quantum will replace such quantity of the product proven to be defective or refund the purchase price of defective product. Labour costs and other consequential damages are hereby excluded. No representative or purported agent of Quantum has the authority to change this warranty. The information contained herein is subject to change without notice. If in doubt, contact your Quantum Representative for current Technical Data Sheets (TDS).

15 Riel Drive, St. Albert, AB, Canada T8N 3Z2 • Telephone: 780.458.3355 • Fax: 780.458.2852
Toll Free: 1.877.454.9166 • www.quantumchemical.com