

SafeCoat® PVC

DESCRIPTION

SafeCoat® PVC is an acrylic, solvent based paint which can be used in 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 sq. ft. per USG.

	Flame Spread	Smoke Development
PVC Pipe	0	35
Fibreglass wrapped		
PVC Fittings	1	1
System 15 Fittings	0	45

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.
- Factory or job-site application

FEATURES

- **Cost-effective.** A single coat applied at 100 sq. ft. per 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: applied by brush, roller or spray
- Dries quickly to a flat (matte) finish and has the appearance of conventional flat paint
- Excellent adhesion to PVC pipe.
Tested to **ASTM D3359.**

TECHNICAL DATA and PROPERTIES

Coating Type	Solvent-based
Finish	Grey, flat finish
Material VOC	347g/L
Density	9.86 lbs./US Gallon or 1.18g/mL
Solids by Weight	60%
Solids by Volume	44%
Dry Time	Touch: 45-60 minutes (varies with temperature and humidity) Recoat: when touch dry Full cure: 72 hours at 20°C
Film Thickness	Wet: 16 mils Dry: 7.1 mils
Flash Point	-9° to -4°C/15.8° to 24.8° F (est. range; closed cup)
Storage Limits	Store in cool dry place in a tightly sealed container. Keep away from ignition sources.
Shelf Life	24 months (Do not Freeze.)
Packaging	US Quarts or Gallons
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
	<ul style="list-style-type: none"> • 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.

Installation

- SafeCoat® PVC can be installed with brush and roller, or with airless spray equipment.
- A suitable airless sprayer is a Graco Ultra 395 (7/8 HP) or equivalent airless unit.
- Use a 0.017 to 0.021" orifice, high pressure reversible tip.
- SafeCoat® PVC has a high solvent content. The solvents are Methyl Ethyl Ketone (odour threshold 16 ppm, TWA exposure limit 200 ppm) and Tert-butyl Acetate (odour threshold 71 ppb, TWA exposure limit 200 ppm) Adequate respiratory protection is required for all workers while installing this product. Consult the SDS for more information on PPE and these solvents.

- Standard precautions used when spraying flammable products must be implemented.
- In areas of insufficient ventilation, monitor the air quality to ensure both a fire and human exposure risk is not developed.
- This product dries very quickly; when working with brush and roller dispense small amounts from the original container at a time, to ensure it can be applied while it remains usable.
- For more information on installation contact Quantum directly.

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 Chemical makes no warranty, expressed or implied, except that if this product proves on inspection to be defective, Quantum Chemical 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 Chemical has the authority to change this warranty. The information contained herein is subject to change without notice. If in doubt, contact your Quantum Chemical Representative for current Technical Data Sheets (TDS).