

DESCRIPTION

SafeCoat® PVC is an acrylic, solvent-based paint that 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 subjected to repeated cleaning. It limits flame spread by expanding to many times its 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 limiting 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.

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

Application



SafeCoat® PVC can be applied with a 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 0.017-0.021" 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 applying 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 neither a fire nor human exposure risk is 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 application, contact Quantum directly.

TECHNICAL DATA and PROPERTIES

Coating Type	Solvent based
Finish	Grey, flat
Material VOC	347 g/L
Density	9.86 lbs/USG or 1.18 g/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/15.8-24.8 °F
Storage Limits	(est. range; closed cup) Store in a cool, dry place in a tightly sealed container. Keep away from ignition sources.
Shelf Life	24 months
Packaging	US Quarts or Gallons

FR Coating Footage Capability/Gallon

1-1/2"	204 linear feet	6"	57 linear feet
2"	161 linear feet	8"	45 linear feet
3"	109 linear feet	10"	35 linear feet
4"	85 linear feet	12"	30 linear 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 on site, please use a mil thickness gauge to confirm the coating thickness being applied.

USES

- Imparts a Class A Flame Spread Rating of 0 and Smoke Developed rating of 35 when applied to PVC
- Can be used in return air plenums, high-rises, and 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 ft²/USG achieves a Class A Flame Spread Rating
- **Fire resistant:** Under fire conditions, it forms a char, preventing the spread of flames and smoke
- **Excellent adhesion** and durability
- **Easy to apply:** applied by brush, roller or spray
- **Dries quickly** to a flat (matte) finish