



DC6150 Cable Coating



Description

DC 6150 Cable Coating is a non-halogenated, asbestos-free, non-toxic, flexible, ablative fire retardant cable coating designed to prevent the propagation of fire along plastic jacketed electrical cables. DC 6150 Cable Coating is FM Approved and tested to ensure it can withstand extreme conditions such as freeze/thaw cycles and salt water immersion. This testing also ensures that the protective coating does not de-rate the cables current carrying capacity. DC 6150 Cable Coating is a water based latex and is suitable for both interior and exterior use.

Specifications

Color:	White
Odor:	Mild Latex
Gloss Level:	Matt
Specific Gravity:	1.55 ± 0.1
Solids by Weight:	70~76%
pH Value:	6 ~ 8
VOC's:	28 g/L
Dry to Touch:	2 ~ 4 hours
Dry Through:	2 ~ 4 days (Depending on ambient conditions)
Application:	Airless spray, brush or roller
In-Service Temp:	-13° F - 176° F (-25° C - 80° C)
Typical Thickness:	1000 microns WFT (39.5 mils) equivalent to 640 microns DFT (25 mils)
Packaging:	25Kg/pail
Shelf life:	12 months

Testing

FM Approval Class: 3971 for Single or Grouped Electrical Cables

IEEE383- Standard for Qualifying Electric Cables and Splices for Nuclear Facilities Passed at 1.5 mm

IEC 60332- Test of vertical flame spread on single or grouped electrical cables Passed at 0.9 mm Class 3A

IEEE1202 - Standard for Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies Passed 1.5 mm

GB28374 – Standard flame spread test of electrical cables Passed at 1.0 mm including fire and weather testing

Installation guide:

1. Surfaces to be coated must be clean and dry. Use a dry rag to remove any oil, grease, and dirt prior to cable coating application.
2. Mix DC 6150 cable coating thoroughly by a power agitator before application. Thinner is normally not required. If necessary, use potable water (3% max.) to adjust viscosity. Water is also used for tools and spray machine cleaning.
3. Coating can be applied by means of airless spray equipment in a single pass not more than 1 mm-1.2 mm (wet coating thickness) to prevent slumping. Surface shall be measured using a wet film thickness gauge. If applying coating by brush or roller, it may be required to apply thinner coats to prevent slumping. The coating should be applied when site temperature is between 4° C (40° F) and 40° C (104° F). Temperature must be maintained until coating has fully dried.
4. Recommended coating thickness on cables: 2.5 mm WFT results in 1.6 mm dry. Verify the DFT by using calipers to measure the cable before coating and once coating has fully dried.
5. Do not allow the coating material to remain in hoses, gun or spray equipment. Clean all equipment with water immediately after use.
6. All unused coating should be stored in tightly closed container. Surface skinning may show in a partially filled container.

The estimated quantity of DC6 150 can be calculated as = Width of the cable X number of cables X Pi X Length of cable tray or the length of the cable X 2.5 mm (thickness of wet film. X 1.20 (20% wastage). All coating approved by FM3971 must be applied at 1.6 mm DFT