DC6150 Cable Coating

DC6150 Cable Coating is a non-halogenated, asbestos-free, non-toxic flexible fire retardant cable coating. DC6150 is designed to prevent the propagation of fire along plastic jacked electrical cables. DC6150 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. DC6150 Cable Coating is composed of water based latex and is suitable for both interior and exterior usage.

Characteristics:
- Color: White
- Odor: Mild latex
- Gloss level: Matt
- Specific gravity: 1.55 ± 0.1
- Solids (by weight): 70 ~ 76%
- pH value: 6 ~ 8
- Dry to touch: 2 ~ 4 hours
- Dry through: 2 ~ 4 days (Depending on ambient conditions)
- Application: Airless spray, brush or roller
- Typical thickness: 1000 microns WFT (39.5 mils) equivalent to 640 microns DFT (25 mils)
- Packaging: 25Kg/pail

Installation:
1. Surfaces to be coated must be clean. Oil, grease, and dirt should be removed with dry rags prior to cable coating application.
2. Mixing INCA DC6150 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 for tools and spray machine cleaning.

3. Coating can be applied by means of airless spray equipment in a single pass not more than 1mm-1.2mm (wet coating thickness) to prevent slumping. Surface shall measure by wet film thickness gauge. If paint by brush or roller, thinner coat to prevent slumping may be required. The coating should be applied when site temperature are between 4°C (40°F) and 40°C (104°F).

4. Recommended coating thickness on cables: Wet approx. 2.5mm resulted in 1.6mm dry coating to meet Factory Mutual (FM) approval requirements for the protection of cables. Measuring the DFT by using caliper after fully curing.

Recommended sprayer:
Model: Wagner PS 3.34 (3300psi)
Filter in machine: 60 mesh
Filter in spray gun: 100 mesh
Tip: 517~523 (Refer to the following chart)
5. Do not allow the coating material to remain in hoses, gun or spray equipment. Clean all equipment with water immediately in work stoppages or after use.

6. All unused coating should be stored in tightly closed container. Surface skinning may show in a partially filled container. Filter the material prior to use.

7. Thickness measurement – thickness of painted layer can be checked by wet film thickness gauge. The DFT can be checked by caliper.

**Limitations**
- DC6150 cable coating is not suitable to be used in areas under continuous water immersion or continuously wet. It is recommended that a sample test be undertaken before use.
- DC6150 cable coating is conductive until dry. Do not apply to energized electrical conductors

**Estimating**
- The estimated quantity of DC6150 can be calculated as = \text{Width of cable tray} \times \pi (i.e. 3.1416) \times \text{Length of cable tray} \times 2.5\text{mm} (\text{thickness of wet film} \times 1.30 \text{ or 1.20; this is the wastage during the work which is usually } 20\text{–}30\%).

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