

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## ENVIROSHIELD 606 RC

(Previously called PLC 606 RC)

### CERAMIC FILLED ROOF COATING

#### DESCRIPTION

**ENVIROSHIELD 606 RC** is a ceramic pigment filled water-based coating to be applied to metal and mineral substrates. The good heat insulation property of the ceramic pigment will help to create a heat resistant film against the radiant heat from the sun. The highly flexible coating will also cushion the impact of raindrops during rainy days to reduce the noise created by raindrops on metal roofs. It contains an effective corrosion inhibitor, which will protect metal roof from corrosion and rusting.

#### RECOMMENDED USES

**ENVIROSHIELD 606 RC** is recommended for metal and concrete roofs to reduce the amount of heat radiated by the heated roof into the interior of buildings and factories. With sufficient thickness, it can also act as a cushion for raindrops and thus reduce the level of noise caused by the impact of raindrops on metal roofs. **ENVIROSHIELD 606 RC** can also be applied on brick walls facing the afternoon sun to reduce the amount of heat radiate through the wall and thus cut down the electricity used to run the air-conditioning systems.

#### NOT RECOMMENDED FOR

Exposure to solvents and strong chemicals.

#### ADVANTAGES

- Excellent heat insulation - More comfortable working environment and cut down electricity bill.
- Anti-corrosion – contains corrosion inhibitor to protect metal roof from corrosion.
- High solids – more economical.
- Noise reduction – Reduce noise on metal roofs during rainy days.
- Easy application – single pack materials.
- Crack bridging – Good elongation and bridge hair-line cracks on concrete surfaces.
- Excellent flexibility – Follow movement of metal roof without having cracks and peeling.
- Weather resistant – Excellent weather resistant and suitable for outdoor applications.

#### PERFORMANCE DATA

Elongation	: Excellent
Flexibility	: Excellent
Weathering	: Excellent
Adhesion	: Excellent
Abrasion resistant	: Good

#### PHYSICAL DATA

Finish	: Low gloss
Volume Solids	: 60 ± 2 %
No. of Components	: One
Recommended Thickness	: 150 microns DFT per coat
Theoretical Coverage	: 4m <sup>2</sup> /litre @ 150 microns DFT
Drying Time	: Touch dry - 45 minutes Topcoat - 8 hours.
Packing Size	: 5 litres & 20 litres
No. of coats recommended	: Two

#### APPLICATION INSTRUCTIONS

**SURFACE PREPARATION** : Remove oil or grease from surface to be coated with clean rags soaked in PLC Cleaner #2 in accordance with SSPC-SP1 or suitable detergent and high pressure water-jet for concrete surfaces. Loose rust or other loose contaminants shall be removed by power tool or sand paper.

**MIXING** : Mix to a uniform consistency before using.

**APPLICATION** : Can be applied by roller, brush or airless spray. Hold gun 18 to 20 inches from the surface and at a right angle to the surface. Make a 50% overlap with each pass of the gun.