



CC PU600

Polyurethane Liquid Membrane for Waterproofing and Protection

DESCRIPTION

Single component high-quality polyurethane coating that cures by reacting with the humidity in the atmosphere to form a strong elastic film with excellent adhesion to different substrates. Can be applied by brush, roller or airless spray machine. The product is based on pure elastomeric hydrophobic polyurethane resin with special inorganic filler that provides the material with excellent weathering resistance properties. CC PU600 is designed to have excellent adhesion on all common construction substrates such as dry concrete, fibrous cement, ceramic tiles, wood, and galvanized steel when used in conjunction with PUP Primer Range.

APPLICATIONS

Waterproofing and protection of:

- . Roofs.
- . Light roofing made of metal or fibrous cement.
- . Bathrooms.
- . Gypsum and cement boards.
- . Polyurethane insulation foams. Advantages
- . Excellent adhesion to all common primed substrates.
- . Excellent water and UV resistance. The white colour reflects much of the solar energy reducing the internal temperature of the building.
- . Excellent thermal resistance. Max service temperature 80oC.
- . Cold Resistance: the film remains elastic down to minus 20oC.
- . Excellent mechanical properties, high tensile and tear strength, high abrasion resistance.
- . Good breathability characteristics which minimize the accumulation of humidity under the coat.

LIMITATIONS

- . Only white and light grey colours can be used for exposed areas.
- . Do not use on an unsound substrate.
- . Not recommended for waterproofing of swimming pool surfaces in contact with chemically treated water.
- . Since CC PU600 cures with moisture, low humidity conditions will extend the tack-free time and recoat time.

STANDARDS

CC PU600 complies with ASTM C836

METHOD OF USE

SURFACE PREPARATION

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Cement laitance, loose particles, mould release agent or curing membranes must be removed. Fill surface irregularities with a suitable product. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days.



PROPERTIES

Appearance : Variable
 Specific Gravity 1.35 ± 0.05
 Skin Over Time 4 - 6 hr
 Tack-Free Time 6 - 8 hr
 Re-Coatable Time 8 - 24 hr
 Light Pedestrian Traffic Time 24 - 48 hr
 Final Curing Time 7 days
 Service Temperature -20 to 80oC

PRIMING

It is recommended to prime all kinds of substrates using PU primer. CC PUP is designed to significantly improve the adhesion between CC PU600 and all kinds of non-porous substrates such as steel, glass tiles, and aluminium. It will also stabilize and fortify weak and porous substrates before the application of CC PU600. PU600 should be applied using a brush or roller at a rate of 0.16 ltr/m² to achieve around 70 - 75 micron DFT. Alternatively, PU Primer can also be used over porous and non-porous surfaces before the application of CC PU600. Primer PU should be applied at a rate of 0.1 - 0.2 litre/m² (depending on the substrate porosity) to achieve 40 - 80 microns DFT. Leave the primer to cure for 8 - 24 hours before the application of CC PU600.

APPLICATION

For spraying with airless spray machine, CC PU600 can be diluted by 5 - 10% using CCC Solvent PU (consult CCC's technical department for further details). For any mixing done on-site, low speed (300 rpm) mixer or electric drill should be used. Apply the material with roller or brush. Apply at least two coats. Do not leave more than 24 hours between coats.

CONSUMPTION

- . First coat: 0.7 - 0.8 kg/m².
- . Second coat: 0.7 - 0.8 kg/m².
- . Total consumption: 1.4 - 1.6 kg/m² to give 1 mm dry film thickness.

CLEANING

Clean all tools after finishing with paper towels and then wipe by using CCC solvent PU.



PACKAGING

CC PU600 is available in 20 kg and 25 kg packs.

STORAGE

CC PU600 has a shelf life of 12 months from date of manufacture if stored in the original unopened pails at temperatures between 5°C and 25°C. If these conditions are exceeded, contact CCC Technical Department for advice.

CAUTIONS HEALTH AND SAFETY

Apply in well ventilated areas. Do not smoke. Do not apply near naked flames. In closed areas use force ventilation and carbon active masks. Keep in mind that solvents are heavier than air so vapor concentration is higher in air closer to floor.

FIRE

CC PU600 contains volatile flammable solvents.

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