Version 5 (31/3/20)

1602PP PREPOLYMER

PRODUCT DESCRIPTION

1602PP is a MDI based polyurethane prepolymer which may be used as the basis for a range of moisture curing polyurethane coating systems.

One of the applications of 1602PP is in the manufacture of solvent based moisture curing polyurethane floor coating designed to provide a long lasting economical floor sealer.

TYPICAL APPLICATIONS

Floor coating systems based on 1602PP can be used on most surfaces including concrete, cement, asbestos, granolithic floors, plywood and many others.

METHOD OF USE

1602PP is supplied at 65% solids. 1602PP may be diluted with a suitable solvent (e.g. Xylene) to 30% solids to make a good, moisture curing concrete sealer. The same prepolymer when diluted to 45% solids gives a good clear hardwearing floor coating. At this level of dilution the system may be filled or pigments added to give a wide variety of colours and finishes.

SURFACE PREPARATION

Coatings based on 1602PP should be applied to properly dry surfaces at an ambient temperature of between 5°C and 45°C. Surfaces should be free from loose and flaking material such as dirt, dust or laitance etc. and should be free from grease, release-agents, silicon or similar treatments, efflorescence and the like. All high spots including builders' debris and detritus should be removed. Any damaged areas can be made good with a suitable repair material. The removal of surface contamination may involve a variety of cleaning processes including acid etching, grit blasting, detergent washing etc. It is essential that these processes are carried out correctly in accordance with manufacturer's instructions. The sub-floor should also be provided with a damp-proof membrane in accordance with code of practice 102:1972.

APPLICATION

1602PP and derivatives should only be applied to correctly prepared DRY surfaces. It can be applied by brush or roller at a coverage rate of up to 8m² per kilo, allowing 2 - 4 hours between coats, depending upon the ambient temperature and relative humidity. The coverage rate is dependent on the porosity of the substrate and is intended only as a guide. One coat is usually satisfactory for sealing applications but two coats are required for optimum appearance and durability.

PACKAGING

1602PP is available in 20L American pails.

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STORAGE, HANDLING & PERSONAL PROTECTION

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication “A Guide to the Safe Handling of Polyurethane Chemicals”.

TECHNICAL DATA

NCO Content, %	8.3 – 8.7 %
Drying	2 - 4 hrs dependant on temp and relative humidity
Shelf Life	6 months (unopened)
Chemical Resistance	Excellent
SG, g/cm³	1.06
Solids Content, %	65
Flashpoint, °C	>60
Viscosity @ 25°C, cPs	400 – 1,000
Coverage	Up to 8m² / litre dependent on surface
Storage	Out of direct sunlight; Shelf Life 6 months

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