

POLYBULK

Polyurethane Infill Mortar

Description

POLYBULK is based upon solvent free Polyurethane resin technology and is additionally reinforced with conventional graded silica sands. It is intended as an underlayment or infill for floor surfaces which require levelling prior to the application of a specified Polyflor flooring system.

Composition

Solvent free polyurethane resin system and graded silica sands.

Appearance

A trowel applied, smooth grey pigmented render finish with a fully sealed impervious surface.

Durability

POLYBULK is designed to provide a high order physical strength while maintaining compatibility with the full range of Cemart Poly flooring systems. Despite being designed as an underlayment, POLYBULK provides physical strengths well in excess of conventional standard concrete.

Thickness

Between 10 - 60 mm but depends upon nature of application or repair.

Typical Installations

As a repair compound prior to application of specified floor finish. Not designed as a floor finish in its own right.

Substrates

Concrete, grano, asphalt etc.

Surface Preparation

To be assured of maximum adhesion and properties from Cemart resin products the correct surface preparation is essential. Please refer to Technical Department.

Priming

Surfaces to be treated with POLYBULK should be primed previously with EPOTACKPRIME. The POLYBULK should be applied into the EPOTACKPRIME whilst still tacky to ensure maximum adhesion is obtained.

Mixing

POLYBULK is a three pack product. Pour and fully and drain the hardener component into the resin component and mix thoroughly until a homogeneous liquid is achieved. Transfer the mixed resins into a rotary drum mixer and add the aggregate slowly in stages until evenly wetted.

Application

Apply by plasterer's float directly into tacky EPOTACKPRIME and apply even pressure in order to effect a smooth impervious sealed surface. Depending upon the nature of the surface being treated, the use of laths and/or screeding bars may be necessary to ensure a level surface is maintained.

Coverage Rates

Typically 2 kg/m² per 1 mm thickness required.

Cure Schedule

Usable life at 20°C	15 minutes
Cure to light traffic, 10mm at 20°C	6 - 8 hours
Full cure, 19mm at 20°C	3 - 5 days
Overcoating window time at 20°C	16 - 72 hours

Chemical Resistance

Pumabulk is not designed or recommended for use as a chemical resistant finish. Ultimate chemical resistance will depend upon the overlying specified Polyflor system.

Colours

Polybulk is only available in grey finish.

Technical Data

Compressive strength	-	50 - 60 N/mm ²
Flexural strength	-	15 - 20 N/mm ²
Tensile strength	-	10 - 12 N/mm ²

Health and Safety

Avoid contact of the material with skin and eyes.
Wear appropriate gloves, overalls and eye protection during use. Please refer to material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Department.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finish produced.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue