



Technical Datasheet
Polyurethane Infill Mortar

PUMABULK

DESCRIPTION

Pumabulk 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 Pumaflor or Pumadur 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

Pumabulk is designed to provide a high order physical strength while maintaining compatibility with the full range of Resdev Puma flooring systems. Despite being designed as an underlayment, Pumabulk 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 Resdev resin products the correct surface preparation is essential. Please refer to Technical Department.

PRIMING

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

MIXING

Pumabulk 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 TECHNIQUE

Apply by plasterer's float directly into tacky Pumaprime TC 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 2kg/m² per 1mm 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 Pumaflor system.

COLOURS AVAILABLE

Pumabulk is only available in grey finish.

TECHNICAL DATA

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

HEALTH AND SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Technical Department on 01422 379131.