



## PSR EPOXY HB TECHNICAL DATA SHEET

**DESCRIPTION** PSR Epoxy HB is a solvent free high build epoxy floor coating for concrete, grano or asphalt. It has excellent abrasion and chemical resistance and provides a heavy-duty coating for floors which will withstand many years of general trolley or foot traffic, fork lift areas depending on usage will have a greatly reduced lifespan. The high build characteristics of PSR Epoxy HB permit the application of coatings in excess of 0.25mm per coat. Two coats of PSR Epoxy HB provide a build equivalent to almost 10 coats of conventional solvent containing coatings. On rough and uneven concrete PSR Epoxy HB can give a smooth and easily cleanable surface.

**APPEARANCE** PSR Epoxy HB provides a smooth gloss surface finish in a range of colours or clear.

**DURABILITY** Excellent long-term wear resistance can be expected from a two-coat application.

**THICKNESS** 0.4mm to 1mm depending on application rate and number of coats.

**TYPICAL INSTALLATIONS** PSR Epoxy HB in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical plant storage areas, warehousing, toilets, food preparation areas etc.

**SUBSTRATES** PSR Epoxy HB adheres well to concrete, grano, metals and asphalts.

**SURFACE PREPARATION** To be assured of maximum adhesion and properties from PSR resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation".

**APPLICATION CONDITIONS** PSR Epoxy HB is a thick resin and although it will apply and cure at low temperatures, an ambient in excess of 10°C is preferable.

**PRIMING** PSR Epoxy HB does not normally require a primer. When treating extremely weak or porous concrete it is advisable to prime with Pumaprime S.F.

**MIXING** Add full contents of hardener container to full contents of resin container and mix with a slow speed stirrer for at least 2 minutes.

**APPLICATION TECHNIQUE** Apply by medium nap roller directly from a paint tray. Push the resin well into the surface making sure the floor is fully wetted and then pull back lightly with the roller to the required thickness. Use coverage rates as a guide to thickness.

**COVERAGE (NOMINAL 0.5mm)** 1st coat -approx. 375g/m<sup>2</sup> 2nd coat -approx. 250g/m<sup>2</sup> **COVERAGE (NOMINAL 1mm)** 1st coat -approx. 375g/m<sup>2</sup> 2nd coat -approx. 875g/m<sup>2</sup>

**SPECIFICATION DETAIL** Two coats PSR Epoxy HB at a nominal 0.4-1mm depending on requirement.

**MAINTENANCE** PSR Epoxy HB treated floors can be readily cleaned using a propriety cleaning solution.

**CURE SCHEDULE** Pot life @ 20°C -30-45 minutes Dry film time @ 20°C -8-10 hours Intercoat period -8-24 hours Foot traffic -16-24 hours Full cure -7 days

**CHEMICAL RESISTANCE** Good resistance to a wide range of chemicals. Please refer to technical data sheet reference.

**ANTI-SLIP** To produce an anti-slip profile sprinkle or fully cast into the first coat whilst wet, the aggregate of your choice. When cured usually overnight (depending on temperature) sweep off the unadhered aggregate and apply a further coat thus encapsulating the aggregate. Coverage rates will vary depending on the size & the amount of aggregate used.

**TECHNICAL DATA** Compressive strength -40N/mm<sup>2</sup> Flexural strength -28N/mm<sup>2</sup> Lap shear bond strength -15N/mm<sup>2</sup> Elastic modulus -3.9kN/mm<sup>2</sup> Ease of decontamination to BS 4247: part 1 test A "Good" Abrasion Resistance < 0.02mm (C&C Abrasion test as per BS 8204) Impact Resistance < 0.5mm (BRE Screed test)

**HEALTH AND SAFETY** Please read 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.

For further details, a free survey, specification or quotation please contact  
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