



Technical Datasheet
Epoxy Floor Coating

PUMASHIELD

DESCRIPTION

Pumashield is a medium viscosity epoxy coating for concrete, grano and mild steel. It has excellent abrasion and chemical resistance and will provide a hard wearing coatings which will withstand many years of traffic. Pumashield will yield nominally 150-175 microns dry film build per coat. On rough and uneven concrete Pumashield can yield a smooth, easily cleaned surface.

COMPOSITION

Pumashield is a two pack epoxy resin of medium viscosity combined with abrasion resistant fillers.

APPEARANCE

Pumashield provides a semi gloss finish in a range of colours and clear.

THICKNESS

Nominal 350m per 2 coats.

TYPICAL INSTALLATIONS

Pumashield is used in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical plant storage areas, warehouses, toilets, laboratories and food preparation areas.

SUBSTRATES

Pumashield adheres well to concrete, grano and mildsteel. Due to the solvent content, application over asphalt may lead to bitumen bleed through.

SURFACE PREPARATION

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

APPLICATION CONDITIONS

Pumashield is a fairly thick resin and although it will apply and cure at low temperatures, an ambient in excess of 10C° is preferable. Maximum moisture content of 75% RH.

PRIMING

Pumashield does not normally require the use of a primer. When treating extremely weak or porous concrete it is advisable to prime with Pumarime SF.

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 TECHNIQUES

Apply by short or medium nap roller 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 350 micron dry film build)

Normal Substrate

1st Coat:	-	320gm/M ²
2nd Coat	-	280gm/M ²

Porous Uneven Substrate

1st Coat:	-	480gm/M ²
2nd Coat	-	420gm/M ²

MAINTENANCE

Pumashield coated floors can be readily cleaned using a proprietary cleaning solution.

CURE SCHEDULE

Pot life at 20C°	-	30-45 minutes
Initial Cure Time at 20C°	-	10-12hours
Intercoat Period t 20C°	-	16-24 hours
Foot Traffic at 20C°	-	16-24 hours
Full Cure	-	7 days

CHEMICAL RESISTANCES

Good resistance to a wide range of chemicals.

TECHNICAL DATA

Taber Abrasion (1Kg load, CS17 Wheel) - 3mg loss per cycles
Lap Shear Bond strength - 15N./mm³
Ease of decontamination to BS4247: part1 Test A - Excellent
Solids content by volume - 95%

HEALTH & SAFETY

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

STORAGE, MIXING AND APPLICATION

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

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on (01422) 379131