



Technical Datasheet
Water Dispersed Epoxy Floor Seal

PUMACOAT W.D.

DESCRIPTION

Pumacoat WD is a water miscible epoxy resin floor seal. It has good adhesion to a wide variety of substrates to produce a tough, hard wearing floor finish available in an attractive range of colours. Pumacoat WD does not contain solvents and is therefore more acceptable for use in areas prone to tainting.

COMPOSITION

Pumacoat WD is a two part water dispersed epoxy resin seal available in clear or colours.

APPEARANCE

Floors treated with Pumacoat WD have a semi-gloss silk finish.

DURABILITY

Pumacoat WD sealed floors show good abrasion resistance to foot traffic and light wheeled vehicles.

THICKNESS

Nominal 50 µm per coat.

TYPICAL INSTALLATIONS

Pumacoat WD is used as a decorative or clear dustproof seal on industrial floors in food preparation areas, warehouses, breweries etc.

SUBSTRATES

Pumacoat WD adheres well to concrete, grando and asphalt. A single coat may also be applied directly to "green" concrete to provide early protection from other trades or as a curing membrane to control water loss.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

APPLICATION CONDITIONS

5-30°C. Maximum moisture content of 75% RH.

PRIMING

On porous concrete it is recommended that a first primer coat of Pumacoat WD clear is applied prior to subsequent colour coats.

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 brush, roller or spray. The use of a paint tray is recommended for best results.

COVERAGE RATES

	1st Coat	2nd Coat
Normal Substrate	140g/m ²	110g/m ²
Porous and uneven substrate	220g/m ²	170g/m ²

SPECIFICATION DETAIL

Porous Uneven Substrate – A minimum of two, but possibly three coats of Pumacoat WD may be required dependent upon profile and absorption, applied at the prescribe rates. Special attention should be paid to ensure pooling of product is avoided in depressed areas.

Normal Substrate – A minimum of two coats of Pumacoat WD will be required or one coat in combination with Pumaprime DS.

Thinning of the first coat with water, 10% v may be necessary to achieve adequate penetration/adhesion. This will be dependent upon pre-treatment.

MAINTENANCE

Pumacoat WD treated floors can be readily cleaned using a proprietary cleaning solution.

CURE SCHEDULE

Pot Life at 20° C	- 1.5-2 hours
Touch Dry Film Time at 20°	- 6-8 hours
Intercoat Period	- 8-24 hours
Foot Traffic	- 24 hours
Full Cure	- 7 days

COLOURS AVAILABLE

Pumacoat WD is available in the full range of Resdev colours except White.

TECHNICAL DATA

Compliant with BS476: Parts 6 and 7; in combination with Pumaprime D.S as a two coat system to Class 'O', UK Building Regulations 1985: Section B2/3/4 Appendix A Part 15.

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 Customer Care Department on 01422 379131.