



Technical Datasheet
Polyurethane Floor Seal

PUMASEAL PC

DESCRIPTION

Pumaseal PC is a flexible but highly abrasion resistant polyurethane floor seal for application to concrete, wood, grano and composition flooring.

PUMASEAL PC

A two pack coloured polyurethane seal with excellent covering power available in gloss or silk finish.

COMPOSITION

Pumaseal PC is a high solids, high flash point (44°C), solvent containing polyurethane liquid of low viscosity.

APPEARANCE

Pumaseal PC is a clear gloss finish.

DURABILITY

Pumaseal PC has an extremely high abrasion resistance and will withstand heavy traffic for prolonged periods. It is considerably superior to conventional oil and water based floor paints.

THICKNESS

Pumaseal PC – average 90 µm per coat.

TYPICAL INSTALLATIONS

Pumaseal not only seals but penetrates old and porous concrete acting as a strengthening binder and reinforcer. It is ideal for use as a sealer in warehouses, storage areas, trucking lanes etc.

Pumaseal P.C provides an attractive dust free low cost finish which is ideal for light duty work areas. It is readily cleaned and maintained giving a hygienic surface finish.

SUBSTRATES

Pumaseal bonds well to concrete, grano, wood and metals. It should not be used directly on asphalt without prior priming with Pumaprime D.S.

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

Pumaseal contains solvents and should only be used in well ventilated areas. Application temperature 0-30° C. Maximum moisture content of 75%RH.

PRIMING

Pumaseal does not usually require a primer but on well compacted non-porous concrete, an addition of 20% Pumasolve is recommended to assist penetration of the first coat.

MIXING

Add the full contents of the Pumaseal P.C hardener container to the full contents of the Pumaseal P.C resin container and stir thoroughly for a minimum of two minutes.

APPLICATION TECHNIQUES

Transfer the mixed product into a paint tray and apply by brush or roller, pushing the Pumaseal out as thinly as possible. Avoid "pooling" as this will produce soft spots.

COVERAGE RATES

(sq.m. per kg per coat)

Average Substrate	-	PC 7-9
Porous Uneven Substrates	-	5-7

SPECIFICATION DETAIL

Porous, Uneven Concrete – Apply 2 or 3 coats Pumaseal at an average rate of 7 sq.m. per kg

Average Substrates – Apply 2 or 3 coats Pumaseal at an average rate of 9 sq.m. per kg.

MAINTENANCE

Pumaseal floors can be readily cleaned by mopping with a proprietary detergent solution.

CURE SCHEDULE

Usable life at 20°C	-	30 mins
Touch-Dry Film Time @ 20° C	-	4-6 hours
Intercoat Period	-	6-24 hours
Foot Traffic	-	16 hours
Heavy Traffic	-	36 hours
Full Cure	-	3-4 days

CHEMICAL RESISTANCE

Pumaseal exhibits good resistance to a wide range of chemicals, oils, petrol etc., but it is not recommended as a chemical resistant finish. Floor seals can be readily damaged by impact and chemicals can then attack the concrete from underneath the seal.

GRADES AVAILABLE

The rate of film cure of Pumaseal P.C may be accelerated by the addition of Pumaseal Accelerator at 250g per 5.5 kg of Pumaseal P.C. Whilst this will increase the rate of film cure by approx 30%, the working life (pot life) of the mixed product will be proportionately reduced.

TECHNICAL DATA

40µm Film Hardness (DIN 53157)	-	170 sec
Taber Abrasion Loss (CS17, 1000 rpm, 1000g)	-	3-5 mg (dry)

COLOURS

Red, Green, Mid Grey, Dark Grey, Mid Green, Yellow, Orange, Buff.

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.