

Flowseal P1 is a flexible but highly abrasion resistant polyurethane floor seal for application to concrete, wood, grano and composition flooring.

Flowseal P1 dust-proofer / sealer is recommended for use in areas subject to heavy wear. Flowseal P1 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.



Interior    Roller-applied    Easy to clean

### FeRFA Classification

BS 8204 Type 1.

### Appearance

Flowseal P1 is a clear gloss finish with brownish hue.

### Advantages

- ✓ Ease of application
- ✓ Abrasion-resistant
- ✓ Hygienic and easy to clean
- ✓ Excellent chemical resistance
- ✓ Excellent adhesion to concrete
- ✓ Low cost

### Pack Size

5 kg and 25 kg units.

### Components

Single pack component.

### Suitable Substrates

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

### Typical Installations

Flowseal 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.

### VIRTUS RESINS

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## Chemical Resistance

Flowseal 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.

## Thickness

Average 60 microns per coat.

## Typical Properties, 7 days at 23 °C\*

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

The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

## Cure Schedule at 20 °C\*

Touch-Dry Film Time	6-24 hours
Foot Traffic	16 hours
Heavy Traffic	36 hours
Full Cure	3-4 days

The floor should be protected from contact with water for at least 7 days.

\* These cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. If the over coating interval of 36 hours is extended, the first coat should be abraded to ensure inter-coat adhesion.

## Pack Size

5 kg and 25 kg units.

## Coverage\*

Average Substrate - 8-10 sqm per coat per kg. Apply 2 or 3 coats Flowseal at an average rate of 9 sqm. per kg.

Porous Uneven Substrates - 6-8 sqm per coat per kg. Apply 2 or 3 coats Flowseal at an average rate of 7 sqm. per kg

\*Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

## Surface Preparation

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

## Application Conditions

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

## Priming

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

## Application

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

## 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.

## Technical Advice

For further information on this or any other Virtus product, please contact our office.

**Note:** The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control. Properties listed are for guidance purposes only. We reserve the right to make any changes according to technological progress or further developments.