

# ANTISLIP PUW

## Water based polyurethane anti-slip/sealer



TECHNICAL DATA SHEET PUBLISHED JULY 2014

### PRODUCT FEATURES

**Antislip PUW** is a clear matt, two component water based polyurethane anti/slip sealer that works effectively on internal smooth concrete, concrete screeds, wood, parquet, vinyl flooring, epoxy and polyurethane resin floor coatings.

Antislip PUW provides a matt finish and protects floors from stains and spillages and is suitable for use in internal areas such as; kitchens, warehouses, hospitals, retail areas etc.

### KIT FORM

4.9kg KIT

### COVERAGE

Approximately 50-60 m<sup>2</sup> per pack/coat

Recommended wet film thickness:

160- 200 microns - 2 coats

### STORAGE

Store under cover in dry area out of direct sunlight at temperatures between between 5°C and 25°C.

### SHELF LIFE

Approximately 12 months if stored in unopened containers and under good conditions.

### TECHNICAL INFORMATION

Bond strength ASTM D4541 (to Strongcoat HB and SL)	> 2MPa (concrete failure)
Taber abrasion resistance (1000 g, 1000 cycle) ASTM D4060, weight loss CS17 wheel	24 mg

### PENDULUM TEST VALUES (PTV) BS EN13036-4

	HSE Guidelines (PTV)	Wet before Antislip PUW (PTV)	Wet after Antislip PUW (PTV)
Epoxy and polyur ethane coatings	≥ 36 PTV	8-20	56-60
Vinyl Floors	≥ 36 PTV	24-28	50-55
Melamine based laminates	≥ 36 PTV	12-18	50-55
Wood and parquet floors	≥ 36 PTV	15-20	50-60
Concrete and cement screeds	≥ 36 PTV	15-20	48-50

### STANDARDS

Antislip PUW complies with requirements of HSE Risk Assessments for Floor Safety when tested according to BS 7976-2:2002 and BS 13036-4:2011.

## SURFACE PREPARATION

The surface must be cleaned and free from contaminants. Concrete and screeds, vinyl and resins should be cleaned prior to application with a suitable cleaning solution. Wood and parquet flooring should be lightly sanded prior to application.

## MIXING

Antislip PUW comprises two components, a Resin and Hardener, which are supplied pre-weighed in the correct proportions. Under no circumstances should part mixing be carried out.

The antislip beads may settle out in storage. Care should be taken to ensure that beads are scraped and mixed thoroughly in the Resin component. Ensure the mixing head is pushed around the sides and bottom of the mixing container prior to the inclusion and mixing with the Hardener.

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Antislip PUW Hardener into the Antislip PUW Resin container. Using a power whisk attached to a slow speed electric drill (100 - 300 rpm), mix for approximately 3-5 minutes ensuring the mixing head is pushed around the sides and bottom of the mixing container.

**\* Do not mix Antislip PUW by hand as this could lead to areas of uncured material.**

## APPLICATION

Once mixing is complete, transfer the Antislip PUW to a roller tray and, using a medium-pile simulated sheepskin roller, apply two thin coats of Antislip PUW at the stated rate of application. The second coat should be applied at a right angle to the first coat within the minimum 2hr and maximum 24hr overcoating time to achieve the maximum adhesion between the two coats.

**\* Do not leave the mixed antislip PUW to stand for any length of time prior to application as this will considerably shorten its working time.**

## WORKING CONDITIONS

Antislip PUW should not be applied at temperatures less than 10°C.

## WORKING TIME

Antislip PUW has a pot life of > 3hours @ 25°C.

**▪ Never leave the mixed Antislip PUW to stand for any length of time prior to application as this will considerably shorten its working time.**

## CURING TIME

Antislip PUW has a drying time of 30-40 mins @ 25°C  
After the 2nd coat, Antislip PUW should be allowed to cure for 12 hours @ 25°C prior to opening it to pedestrian traffic and 72 hours for a full cure.

## PRECAUTIONS

Some proprietary cleaners are not suitable; Please contact DCP Technical Department for advice.

Antislip PUW is not recommended to be applied on sealers unless adhesion and peel off tests are performed.

Antislip PUW is not recommended for use on ceramic tiles or stone.

Do not leave standing water on fully cured Antislip PUW applied over concrete or cement screeds for more than 2 hours.

## CLEANING

Once mixing and application are complete, tools can be cleaned with a suitable solvent. Hardened materials must be cleaned mechanically.

## HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheets prior to using Antislip PUW.

## GENERAL GUIDANCE

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

Please consult our Sales Department to confirm that this Data Sheet is the current issue.

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### Note:

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