



WATER BASED POLYURETHANE

TECHNICAL DATA SHEET

Product Description: Tradesmans Warehouse Water Based Polyurethane (clear) is a state of the art product which uses a high quality 2 component polyurethane technology, to produce a durable protective coating with the following characteristics:

- excellent chemical & stain resistance
- excellent scratch resistance
- excellent wear resistance
- easy clean surface
- excellent adhesion to a variety of substrates including prepared concrete
- non yellowing
- interior/exterior
- UV stabilised
- can be made anti-slip with the addition of Anti-Slip Particles
- easy application
- low odour
- wash up in water

This easy to apply, environmentally friendly coating is designed for interior and exterior applications.

Areas of Application:

- Sealer for self levelling Epoxies, Flaked Flooring
- Sealing concrete, factory floors, shop floors, slate
- Ultra High quality paving paint
- Drive ways, walk ways, corridors, steps, walls, balconies (waterproofed)
- Timber, MDF, Particle board, Fibro, Plywood, composites and Plastics (metals need a separate primer)
- Add Anti-Slip Powder for a variety of Anti-Slip Surfaces

Product Characteristics:

Active Ingredients:	2 component waterborne Polyurethanes
Gloss level:	gloss, matt
Colour:	clear, coloured
Mixing ratio:	4 :1
Solids content (mixed):	44%
Pot life:	2 - 3 hours
Touch dry:	30 – 45 mins**

Recoat:	4 - 6 hours
Through dry:	5 – 7 days**
VOC:	80g/L
Density:	1.07
Odour:	slight
Spread Rate:	1L = 10m ²

**Dependant upon climatic conditions; relative humidity, air/object temperature and air movement.

APPLICATION: *Surface Preparation on concrete*

Surface must be clean and sound, free from oils, dust, chalk mildew and any other contaminants. If any of these are present then remove accordingly, either by scraping, sanding or power washing. Mildew must be removed with an appropriate solution.
Further preparation such as, grinding, shot blasting or acid etching are essential for optimum adhesion.

Surface Preparation on timber and plastic substrates.

Surface must be clean and sound, free from oils, dust, chalk mildew and any other contaminants. If any of these are present then remove accordingly, either by scraping, sanding or power washing. Mildew must be removed with an appropriate solution.

Please ensure adequate adhesion on plastic substrates through performing an adhesion test.

Metal surfaces need to be primed before coating with **Tradesmans Warehouse Water Based Polyurethane**.

Mixing

mixing ratio is 4 :1 by weight (4 Part A : 1 Part B)

Mix Part B into Part A and stir thoroughly until the mixed product has a uniform consistency. It is recommended that a mechanical stirrer is used for this process to achieve optimum uniformity. Water may be added to reduce the viscosity.

Application: Roller, brush or spray

For optimum result apply 2 –coats of **Tradesmans Warehouse Water Based Polyurethane**

Avoid low surface/air temperatures as well as high humidity as this will increase drying time and curing rate.

Do not apply below 10° or above 85% relative humidity.

Ensure adequate air movement.

Cleaning - Wash up in water immediately after use.

COMMENTS

The potlife is approximately 3 hours.

Discard any left over mixed material after this time.

Do not re-seal mixed product as pressure build up may occur

For safety see the Material Safety Data Sheets

perform a test patch to check the adhesion

All information is given in good faith without warranty.

Users are encouraged to assess the product under their own conditions and for their own applications