SpECtop PU500

FLEXIBLE POLYURETHANE COATING

DESCRIPTION

SpECtop PU500 is a two pack, solvent free, flexible polyurethane wearing surface.

TYPICAL USES

SpECtop PU500 provides an extremely durable and hard wearing coating ideally suited to the following heavy-duty situations, such as:

- Chemical processing
- Food preparation/wet areas
- Brewing/dairy clean areas

ADVANTAGES

- Hard wearing
- Good chemical resistance
- Slip resistant finish can be tailored to requirements
- Solvent free

TECHNICAL DATA

Typical results @ 20°C±3	
Pot life	25 mins
Tack free	5 hrs
Foot traffic	3 days
Full cure	7 days
Tensile strength (ASTM D412)	20 N/mm² @ 7 days
Elongation at break (ASTM D412)	45.0%
Tear resistance (ASTM D624)	35 kN/m
Shore A Hardness (ASTM D2240)	94
VOC Content (USEPA 24)	0.62 g/L

APPLICATION

Surface Preparation

Surfaces to be treated must be dry, sound, free from oil or other contaminants, loosely adhering coatings, laitance and dust.

Priming

The prepared surface should be primed with **SpECtop Primer F1**.

The contents of the curing agent should be emptied into the contents of the base component and stirred with a spatula until the product appears uniform.

The mixed primer should then be applied to the prepared substrate by a stiff brush at 10-15 m²/litre. Do not over apply.

If the primer appears to be absorbed into the surface easily, it will be necessary to apply a second coat once the initial coat is tack-free.

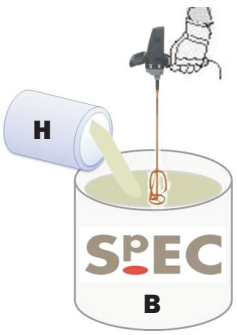
Allow the primer to become tacky prior to applying **SpECtop PU500**.

Mixing

SpECtop PU500 is supplied as a two-component kit consisting of a base component and a curing agent.

Both of the components should be briefly stirred to ensure that any settlement products are fully suspended.

The most convenient method of mixing is by using a slow speed, heavy-duty electric drill.



Empty the entire contents of the curing agent into the base component. To ensure that all material is extracted, the insides of the tins should be scraped. The curing agent and the base component should be mixed with a slow speed, heavy duty electric drill and a spiral mixing paddle for at least five minutes

and until the material appears uniform in colour and consistency.

Application

Apply the mixed product either directly on the tack-free primer, depending on the system requirements. The product may be applied between 200 and 500µm using a squeegee, roller or brush.

EQUIPMENT CLEANING

Clean with **SpECtop Cleaning Fluid** before the product has cured.

PACKAGING & YIELD

SpECtop PU500 is supplied in 4.5 litre and 15 litre pack and covers 4 m²/litre depending on surface texture.

SpECtop Primer F1

@10-15 m²/litre 1 litre pack gives 10-15m²
5 litre packs gives 50-75m²

APPLICATION TEMPERATURE RANGE

SpECtop PU500 should not be applied if material and/or floor temperatures fall below 5°C. Temperatures should not fall below 5°C during the first 24 hours after application.

The product should not be applied if material and/or floor temperature exceed 35°C.

STORAGE & SHELF LIFE

Stored unopened in dry conditions at 10 - 35°C, shelf life will be 6 months.

HEALTH & SAFETY

Some of the components of this product may be hazardous during application. Please consult the relevant Health & Safety Data Sheets.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

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