

Flexproof 505 ECO PU – Waterproofing Coating

DESCRIPTIONS

Flexproof 505 ECO PU is a flexible; single component; low VOC; water based acrylic polyurethane hybrid waterproofing and sealing membrane. **Flexproof 505 ECO PU** is a fast drying waterproofing membrane with excellent adhesion to wide range of substrates, providing a long lasting waterproofing.

FEATURES/BENEFITS

- Excellent adhesion to wide range of substrates
- High durability
- Excellent UV and water resistance
- Environmental Friendly; non-toxic & low-odour
- Tough flexible film
- Fast drying and easy to clean

FIELD OF APPLICATIONS

- Rooftops
- Balconies and terraces
- Planter boxes and flowerbeds
- Interior and exterior of concrete walls

SPECIFICATION

Appearance	Viscous Liquid
Nature	Single Component
Solid Content	> 60%
Elongation at Break (ASTM D412:2006a)	> 300%
Tensile Strength (ASTM D412:2006a)	> 2.1 N/mm ²
Adhesion Strength (ASTM D4541:2002)	> 1.9 N/mm ²
Shore A Hardness (ASTM D2240:2005)	> 75
Crack Bridging (ASTM C836:00)	
Method A – Widening of crack width till 3mm	No Crack
Method B – Stretching and closing to a width of 1mm	No Crack
Re-Coat @ 25°C	2 - 3 hours
Full Cure @ 25°C	3 days
Estimated Coverage	5-7m ² /kg
Recommended Dry Film Thickness (DFT) Per Coat	0.25-0.3mm (Wall) 0.35-0.5mm (Roof)
Density	1.35g/cm ³

† Dry time may varies depending on existing concrete conditions, weather and humidity.

Coverage may vary depending on the porosity of the substrates

METHOD OF USE

Surface Preparation

All new concrete must be allowed to cure for a minimum of 28 days. New render / screed surfaces must be allowed to cure for at least 7 days. Old concrete / render / screed surfaces need to be cleaned, dry and sound, free of any contamination that may affect the adhesion of the membrane

Prime the surfaces with PU-Cote 408P Primer prior to applying **Flexproof 505 ECO PU**.

All metal surfaces must be totally free of rust. Prime metal surfaces with anti-rust primer prior to applying **Flexproof 505 ECO PU**

All cracks should be repaired with suitable putty and smoothen surfaces with sandpaper prior to applying **Flexproof 505 ECO PU**. Hairline crack with up to 1mm wide, may be duly fill with **Flexproof 505 ECO PU**.

All expansion joints and perimeter joints should be sealed with bond breaker tape prior to application of **Flexproof 505 ECO PU**.

Application

Stir well before apply. Apply **Flexproof 505 ECO PU** evenly at recommended coverage rates. Apply with roller, brush or airless spray gun. Reinforcement of fibreglass fabric may be used to enhance high tolerance to normal substrate or crack movement, hence protecting against membrane rupture. Ensure fibreglass fabric is applied into wet coat of **Flexproof 505 ECO PU** membrane and then covered over with subsequent coating until it is not visible. Allow 2 to 3 hours for each coat to cure before applying subsequent coat.

CLEANING

Flexproof 505 ECO PU can be easily clean with soap and water.

LIMITATIONS

Do not use at areas subject to negative hydrostatic pressure or rising dampness.

HANDLING

Flexproof 505 ECO PU should be stored in a dry place under shade, free from moisture contact.

PACKAGING

Flexproof 505 ECO PU – 20 Litres / Pail

SHELF LIFE

Up to 12 Months in unopened containers, when stored in a cool, dry place

HEALTH & SAFETY

Only use **Flexproof 505 ECO PU** as directed. Always ensure Safety Data Sheets are carefully read prior to the application of the materials. Protective clothing, gloves, eye protection & respirators must be worn at all times during application. Please consult & follow all instructions on the product Safety Data Sheets for detailed

TECHNICAL & SITE SUPPORT

Asia Mortar Pte Ltd provides technical advices & supports during design and application of our flooring systems. Please contact our Technical Department for further technical information & any site assistance.



022-021
Eco-Friendly Building Material
Minimum 20% Recycled Content



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