

## BARRIER PU

### Water based polyurethane membrane

#### PRODUCT DESCRIPTION

Tamsi BARRIER PU is an advanced elastomeric polyurethane membrane containing high quality resin and fibers designed to be used in both under tile and exposed areas.

#### ADVANTAGES

- Certified class III elasticised water-based polyurethane membrane
- Compliant to AS 4858:2004 – Internal Wet Areas Waterproofing
- Compliant to AS 4654.2-2012 – Waterproofing Membranes for External Above Ground Use
- Does not re-emulsify once fully dried
- Fast cure
- Durable and tough seamless finish
- Flexible & Elastomeric
- UV stable\*
- Salt and carbon attack resistant
- Environmentally safe
- Compatible with most common tile adhesives

#### USES

- External wet areas, balconies, decks and podiums
- Roofs
- Parapet walls
- Plant floors and external areas
- Retaining walls
- Garden
- Planter boxes
- Internal wet areas

#### TECHNICAL PERFORMANCE DATA

Coverage: 1.5-2L/m<sup>2</sup> at 2 coats  
 Application temperature: 15-30 °C  
 Cure Time: touch dry 2 to 6 hours, hard cure 24-36 hours  
 Min Curing temp: 5°C

Results of assessment of durability:

Elongation	Strain %
Control	662%
Water Immersion	1247%
Bleach Immersion	1065%
Detergent Immersion	1447%
Heat Ageing	457%

Green Rated VOCs: Yes  
 Class: III  
 Reinforced: Yes

\* Please note that Dark Grey is less UV stable than Light Grey due to greater heat absorption.

## SURFACE PREPARATION

All surfaces to be treated must be structurally sound; and existing coatings, adhesives, efflorescence should be removed to achieve maximum bond strength and resistance to hydrostatic pressure. Surfaces must be cleaned free of dirt, grease, oil, or other surfaces contaminants. Holes, non-structural cracks or other surface deformities should be repaired.

## PRIMING

Tamsi membranes are recommended to be applied onto primed surfaces!

EASYPRIME – for all under tile wet areas

EASYPRIME *plus*– slurry/primer for porous and non-porous surfaces, underground, exposed or immersed areas

HYDROSTOP – on surfaces with residual or rising damp and for external applications, smooth surfaces such as cement sheet and over some tiles

## APPLICATION

- Tamsi BARRIER PU can be applied with a brush or roller.
- Apply product at 2 or more coats and at a total coverage of 1.5-2L/m<sup>2</sup>, forming a dried film thickness of approximately 1.5mm (vertical 0.8mm).
- Allow 24 hours drying before tiling or topping application. In cool or non-porous surfaces this may be prolonged.
- Allow to cure for at least 5 days if water ponding test is required.
- At all junctions apply bond breaker or fast cure mastic fillet.
- At all junctions embedded polyester/rubber reinforcing tape into membrane.
- Do not apply when surface temperature is below 5°C or above 35°C.

## OVERCOAT

Allow at least 4 hours of curing time depending on the weather

## PRECAUTIONS

- BARRIER PU Dark Grey is less UV stable than Light Grey due to greater heat absorption.
- During conditions of low temperature or high humidity the BARRIER PU curing rate will slow dramatically.
- Avoid applying over any surfaces that have been previously coated or treated with curing compounds, concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding to produce a contamination free surface.
- Do not apply to areas subject to heavy foot traffic in commercial environments or vehicular traffic.
- Do not apply to areas when rain is imminent.

## SAFETY PRECAUTIONS

Tamsi BARRIER PU is safe water based product however; avoid contact with skin and eyes. Use protective gloves. Ensure there is adequate ventilation and avoid breathing vapours. Keep away from children. If swallowed do not induce vomiting. Give plenty of milk or water. Seek medical advice. Keep containers in a well-ventilated place. In enclosed areas, such as water tanks and basements, ventilation should be provided to enable adequate evaporation of the coating. In case of eye contact, rinse with plenty of water or contact Poisons Information Centre. If swallowed immediately contact doctor or Poisons Information Centre 131 126. ADDITIONAL INFORMATION IS LISTED IN (MSDS).

## CLEAN UP

Clean up with water while wet. Once dried product needs to be removed mechanically or by solvent.

## PACKAGING

- 15L • 5L