



Product Data Sheet

ClearProof

ClearProof waterproofing membrane is a transparent, UV-resistant, single-pack co-polymer, specifically designed for application over existing tiled surfaces to create a transparent waterproof barrier without the need to remove tiles, preserving the substrates original appearance. ClearProof's flexibility, durability and toughness means it can be applied in areas subject to foot traffic, such as tiled shower areas, balconies, decks, and podiums.

Product Features:

- ClearProof is a waterproofing membrane, not a clear penetrating sealer
- Solves waterproofing problems on tiled areas without removing tiles
- Great for leaking showers and balconies
- Can be applied to tiles and pavers
- Single pack and easy to use
- Meets the Green Star Environmental criteria
- Classified as non-hazardous and non-flammable
- Low VOC
- Tough, durable and low yellowing
- Will not re-emulsify after fully curing
- Can be applied by brush or roller
- UV resistant and foot trafficable

Suitable Areas:

- Tiled balconies, courtyards, terraces, etc.
- Wet areas such as showers
- Waterproofing of terracotta tiles and pavers
- Top coating/sealing of timber floors
- Sealing sandstone surfaces
- Brick walls

Suitable Substrates:

- Tiles
- Concrete
- Pavers
- Timber
- Terracotta
- Brick / Blockwork

Substrate Preparation:

- Surfaces must be clean, dry and free of grease, mould, dust, or other loose material which could jeopardise ClearProof's Adhesion
- Cracks should be filled with a clear, MS Polymer joint sealant
- Cracked, unsound or damaged grout should be replaced
- Existing silicone should be removed and replaced with clear, MS Polymer joint sealant
- Cracked or damaged tiles should be replaced to maintain the surfaces integrity
- Surfaces stained by grease or similar substances, must be thoroughly cleaned with a suitable detergent or degreaser
- Areas effected by mould should be cleaned with white bleach
- Rinse all cleaning agents off, followed by a thorough rinse with clean water. Allow around 36 – 48 hours for moisture within the substrate to disperse

The importance of good substrate preparation cannot be understated. Adhesion to the substrate and long-term performance of the membrane heavily relies on thorough preparation.

Mixing ClearProof:

Combine two parts ClearProof with one part water (2:1 ratio) using a drill mixer on a low-speed setting until thoroughly mixed. *Example: Mix 1kg of ClearProof with 0.5L of water.*

Application:

- Apply the first coat with a mohair roller for optimal results
- Apply subsequent coats via high quality brush or roller
- Allow minimum 4-hours between coats
- Apply a total of 2-3 coats depending on porosity
- Apply all coats within 48 hours to reduce airborne contaminants settling on the membrane
- Full cure after final coat may take up to 5-7 days at 25°C and 50% R.H.

Coverage:

- 1 kg neat covers approximately 3m² over 3 coats*
- Level surfaces, concrete, grout lines, mortar: *Minimum dry film thickness: 0.5mm (500 microns)*
- Over tiles: *Minimum dry film thickness: 0.2mm (200 microns)*

Coverage rate varies due to factors such as humidity, climate, substrate porosity, and application technique.

Drying/Curing:

Allow a minimum of 4 hours between coats and 5-7 days full cure after final coat at 25°C and 50% R.H.

Precautions:

Masonry substrates that have been exposed to moisture, such as concrete, brick and grout, may still contain moisture deep within, undetectable by visual inspection. Wherever possible, these substrates should be tested by means of a suitable moisture meter.

Overly porous substrates such as blockwork, may require an additional coat of ClearProof. Multiple thin coats of ClearProof are recommended for the best adhesion on overly porous substrates.

Technical Information:

Appearance	Transparent Liquid
Odour	None
Chemical Resistance	Good
Toxicity	Non-toxic (Dry Film)
Solid Content	45%
Elongation at break	100%
Tensile Strength	1.5mpa
Application Temperature	10°C - 35°C
Touch Dry	120 minutes @ 20°C 60 minutes @ 30°C Full Cure 72-120 hours @ 25°C & 50% R.H.
Shelf Life	12 Months

For external applications, it is the applicators responsibility to be aware of the current and upcoming weather conditions. Do not apply ClearProof if rain is forecast within 48 hours of application.

Given the transparent appearance of the membrane, high quality tools should be used, lower quality brushes and rollers may leave loose bristles or fibres in the finished membrane.

Do not apply ClearProof if the ambient and/or substrate temperatures are below 10°C or above 35°C.

For applications within wet areas, such as tiled shower bases, it is imperative that ClearProof has fully cured before being exposed to continuous water.

Do not to apply ClearProof overly thick, as this may lead to the membrane taking on a “frosted glass” appearance, rather than transparent.

Drying/curing times referenced on this technical data sheet are based on 25°C @ 50% R.H. Temperature, humidity, ventilation, and climate conditions at the time of application will affect these drying/curing rates.

ClearProof will become slightly tacky as it begins to dry, re-rolling over the same area can cause the membrane to grab onto the roller and peel. Best practice is to pick a starting and ending point for the area you plan on treating, only overlapping slightly with the previous rolled out ClearProof as you head towards the end point.

Please ensure the gradient is sufficient for water drainage from the substrate to prevent pooling, as standing water may result in membrane failure.

Disclaimer: This product data sheet summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. All information contained within this product data sheet should be carefully read and considered in the context of how the product will be used. The Waterstop shop does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation or information given by it.

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