

AQUASHIELD 3000

LIQUID APPLIED FLEXIBLE WATERPROOFING MEMBRANE



PROPERTIES & APPLICATION

AQUASHIELD 3000 is a single component, acrylate polymer based waterproofing and sealing membrane.

It is ready to use directly out of the pail and provides a seamless waterproofing membrane which prevents the penetration of water when applied correctly. No dilution of the product is necessary.

AQUASHIELD 3000 is water based and is non-toxic and non-flammable.

AQUASHIELD 3000 has been formulated to be extremely flexible which allows for applications in areas where floor movements are limited while absorbing vibrations.

AQUASHIELD 3000 comes in a light sage colour and will turn to a darker shade of green once it is fully cured.



APPLICATION

AQUASHIELD 3000 can be applied directly from the tub with a roller or brush.

It is ready to use and does not require the addition of water.

AQUASHIELD 3000 can be applied vertically and horizontally over concrete, block and bricks, cement render, fibrous cement sheets, plasterboard, tile underlayment, metal sheets and various other sound surfaces.

A minimum of 2 coats is required. After application of the first coat, ensure that it is allowed to dry for a minimum of 1 to 2 hours. Application of the second layer must be allowed to dry for at least 4 hours. A third coat may be necessary to ensure that AQUASHIELD 3000 achieves a uniformly applied surface with no pinholes present.*



DRYING TIME

All drying and curing times specified above are based on temperatures of +23°C and a relative humidity of 50%.



FEATURES

- One component; Easy to use (Direct from tub)
- Water-based
- Low Volatile Organic Compounds (VOCs)
- Extremely flexible
- Excellent bonding strength
- Crack bridging ability (ASTM C836)



SUBSTRATE PREPARATION

Surfaces which will receive AQUASHIELD 3000 must be sound, dry, clean and free from dirt, grease, oil, wax, loose particles, curing compounds and other possible contaminants. Ensure that all brittle, soft and weakly bonded substrates are removed prior to application of AQUASHIELD 3000.

Ensure that all new concrete slabs are allowed to cure for a minimum of 28 days prior to application of AQUASHIELD 3000. Fresh rendered surfaces must be allowed to cure for a minimum of 7 days prior to application of AQUASHIELD 3000.

AQUASHEILD 3000

LIQUID APPLIED FLEXIBLE WATERPROOFING MEMBRANE



PRODUCT PROPERTIES

Material base	Acrylate Resin
Wet density	~ 1.3 kg / litre
Volatile content	< 50 %
Adhesion to substrate (ASTM D4541)	≥ 0.2 N/mm ²
Resistance to water penetration @ 0.2 kg/cm ² for 12 hours (3 specimens Cured for 3 days)	0 mm depth of penetration
Tensile strength (ASTM D412)	
Before ageing	≥ 1.2 N/mm ²
After ageing at 50°C (14 days)	≥ 1.0 N/mm ² and negative change ≤ 20%
After immersion in certain chemicals (Change in tensile strength, %)	≥ 1.0 N/mm ² and negative change ≤ 20% No limit for positive changes
Elongation at break @ 3 days (ASTM D412)	
Before ageing	≥ 150%
After ageing (14 days)	≥ 120% and negative change ≤ 20%
After immersion in certain chemicals (Change in elongation at break, %)	≥ 120% and negative change ≤ 20% No limit for positive changes
Crack bridging (ASTM C836)	No cracks @ 2mm width No cracks after 10 cycles of stretching and closing to a width of 1mm
Hardness (Shore A) (ASTM D2240)	≥ 30
Touch dry (Lab conditions) (ASTM D1640)	< 60 minutes

Product only for professional use

Note:

The information and technical recommendations provided in this data sheet corresponds to the best of our knowledge and experience. It is not binding to all situations as the actual application purpose has to be adjusted to prevailing conditions at the point in time. Accepted engineering norms must be observed at all times.

Edition 05/20



CONSUMPTION

~ 325 g/m²
(one layer @ 250-micron wet film thickness)



PACKAGING

20 kg plastic bucket



STORAGE

Frost-free and cool.

Shelf life is 12 months in sealed original container.



S3 Technologies Sdn Bhd
31-1st Floor, Jalan Sri Hartamas 7,
Taman Sri Hartamas, 50480 Kuala Lumpur
T | +603 6201 0161
F | +603 6206 2681
E | info@s3tasia.com
www.s3tasia.com

Distributor: