

Approved for Issue - 1 July 2008

**AquaeGUARD™ DUAL**

This lightweight & waterproof 3-Ply Sealing & De-Coupling Membrane guards floors against water penetration & movement damage. Set into adhesive below floor tiles, it builds a superior waterproof barrier, & protects against tile damage by de-coupling them from the movement & cracking of unstable sub-floors. Quick & simple to use, AquaeGUARD™ DUAL reduces project times, improves security & is ideal for all competent D.I.Y.'ers & professional installers alike

E&OE



**PRODUCT CHARACTERISTICS**

AquaeGUARD DUAL is a waterproofing material made with a top layer of non-woven polypropylene that offers a key for tile adhesives. The central waterproofing membrane of Polyethylene is bonded to a bottom layer of non-woven Polyester that under load will 'shear', de-coupling tile installations from unstable substrates. Joints & awkward shapes are covered with the matching AquaeGUARD™ pre-formed accessories  
 Supplied in Rolls

- AquaeGUARD™ DUAL is a Water & Moisture Barrier with an Integral De-Coupling action to suit FLOORS
- The 'fleecy' underside is designed to detach, protecting floor tiles from the damaging effect of un-stable sub-floors
- Joints between adjoining materials & awkward shapes are bridged with Jointing Tape & pre-formed accessories
- Matches all tile adhesives AquaeGUARD™ DUAL completely seals & waterproofs against water & moisture penetration
- Tiles can be fitted immediately, improving project installation time, because there are no waiting or drying times
- A thin membrane, with uniform thickness & no weak points, AquaeGUARD™ DUAL is buried within tile adhesive
- Can be used in all internal or external sealing projects, with materials such as under tiles or sheet stone slabs
- Very easy & quick to use, with few tools & limited skill or knowledge of waterproofing

NOTE – This product is unsuitable for standing water, or storage of water under pressure

- Manufacturers Warranty : ISO 9001 : 2000 Quality Management System
- Colour : Yellow with a Black underside
- Alternative Colour (Stock Dependant) : Blue with a Black underside

**APPLICATIONS**

- Damp or Water prone Areas, Wet Room, & all bathrooms with a higher risk of water ingress
- AquaeGUARD™ is suitable for Internal or External Refurbishments & New Build projects.
- Bonds with tile adhesive, to dry, structurally sound load bearing substrates like block, wood, concrete & cement
- All Standard floor structures

**TECHNICAL DATA**

- Width : 1000 mm (as standard)
- Length : 15m (as standard)
- Weight : 340 g /m<sup>2</sup>
- Thickness : 0.85 mm approx.
- Approvals : ETAG 022 (European Guideline) for Wet Rooms Floors / Walls



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PHYSICAL VALUES

- Burst Pressure : 1.5 Bar
- Temperature Stability : -30° C > +90° C
- Lateral elongation at break point : 100%
- Lateral breaking load : 61N / 15mm
- Longitudinal elongation at break point : 96%
- Longitudinal breaking load : 87N / 15mm
- Adhesive Strength : > 0.5 N / mm
- Equivalent Air Layer : > 80m

CHEMICAL STABILITY

Burst Pressure required after 7 days within the following chemical environment at room temperature

- 3% hydrochloric acid :
- 35% sulphuric acid :
- 100 gms/ ltr citric acid :
- 5% lactic acid :
- 30g/l Potassium Hydroxide :
- 0.3 gms/ltr sodium hypochlorite :
- Sea Water 20 gms / ltr Sea Salt :

MATERIAL

- 3x Ply construction consisting:
- Top : Non-woven Polypropylene
- Middle : Polyethylene membrane
- Bottom : Non-woven Polyester

DISPOSAL

- Packaging : According to local bylaws.

INSTALLATION INSTRUCTIONS

- Available on Request.

PACKAGING

- Single Rolls : Wrapped, Loose
- Bulk Rolls : Pallet, Wrapped, Loose

Range	Size	ART No.
AquaeGUARD DUAL	Water + Moisture Barrier & De-Coupling Membrane- 15m Roll	007.00080

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