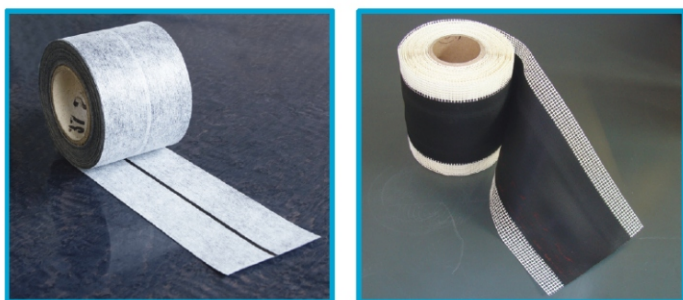


# AQUAFLEX™

## THE **RELIABLE** WATERPROOFING SOLUTION



Complete waterproofing system for corners and joints in bathrooms, showers, kitchens, facades, balconies and many other areas.

- ✓ **NO LEAKS**
- ✓ **NO FUSS**
- ✓ **ECONOMICAL**
- ✓ **LONG LASTING**

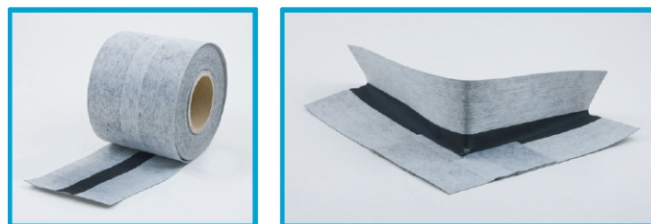


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## WHAT IS AQUAFLEX™

The range of Aquaflex tapes offers a complete, long term waterproofing system for corners and joints in bathrooms, showers, kitchens, facades, balconies and many other areas.



Building movement, from vibrations, temperature changes, or settling into foundations, often causes cracks in walls and floors of wet areas, leading to undesirable water leaks.

After installation in corners and joints, Aquaflex waterproofing tape can expand up to 170%, to prevent leaks even after these cracks appear.

### *Aquaflex tape can be used during construction to:*

- ✓ Waterproof wall/floor joints
- ✓ Waterproof penetrations through walls/floors
- ✓ Waterproof corner intersections of surfaces

### *Benefits of using Aquaflex tape:*

- ✓ Safe and easy to use
- ✓ Withstands extreme heat and cold
- ✓ Excellent chemical resistance
- ✓ Long term protection, thus saving a lot of money

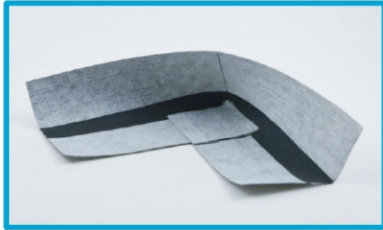
Aquaflex tape has been rigorously tested and certified according to DIN/ISO specifications.

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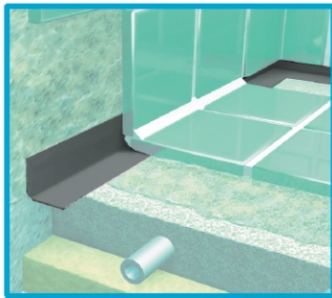
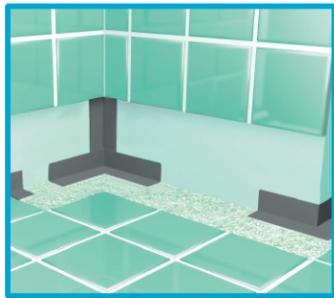
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## AQUAFLEX™

Aquaflex is a 105mm wide tape with a 15mm expansion zone, which itself can expand over 10 mm.



The ability of Aquaflex tape to expand allows joints, edges and penetration areas to remain waterproof, even if cracks appear from building movement.



The tape is adhered to walls and floors using any liquid waterproofing membrane. The corner pieces and tapes are bonded together using a unique, flexible waterproof adhesive which takes almost no time to dry.

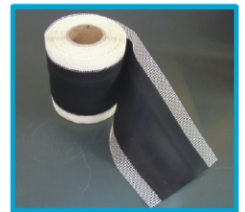


Aquaflex is resistant to acid, alkali and most solvents, and can withstand temperatures from -40°C to +90°C.

Aquaflex can be used both indoor and outdoor areas.

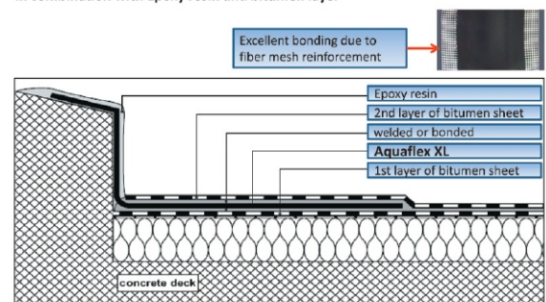
## AQUAFLEX™ XL

Aquaflex XL has been specifically designed for outdoor use on roofs, facades, balconies and other areas which require long term leak protection.



### Application of Aquaflex XL

In combination with Epoxy resin and bitumen layer

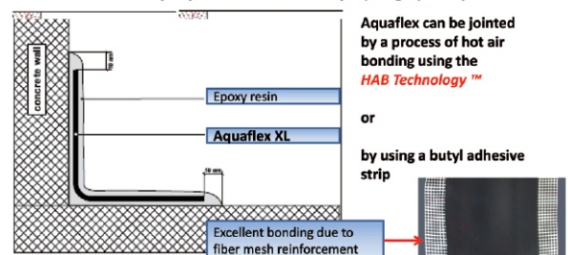


Aquaflex XL has a glass fibre mesh reinforcement on both sides which allows for excellent bonding to any surface using common bonding materials.

### Application of Aquaflex XL

In combination with Epoxy resin and bitumen layer

In combination with liquid plastics and bitumen layer (using a primer)



Aquaflex XL is available in 1-2mm thickness and 150-350mm widths. Expansion exceeds 20mm.

Using heat treatment, Aquaflex XL can be modified to form connections and corners to waterproof difficult joints.

Aquaflex XL is resistant to most chemicals, and can withstand temperatures from -40°C to +200°C.

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## WATERPROOFING THE CURRENT PROBLEM

**FACT:** Approximately 14% of water in the average home is lost through leaks.<sup>1</sup>

**FACT:** Home owner complaints about defective waterproofing ranks third in total complaints received regarding building work.<sup>2</sup>

*Most water leaks occur in corners and joints.*



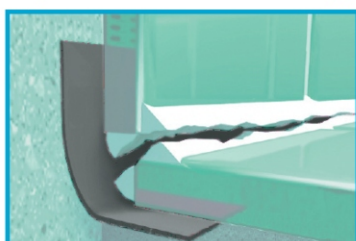
*Most current waterproofing systems are susceptible to problems such as:*

- ✓ Building movement - due to vibrations, settling into the foundations, or temperature changes
- ✓ Poor installation
- ✓ Chemical breakdown with age

Building movement can cause weakening or cracking of joints, walls and floors which allows water to penetrate beneath the surface.

Weakening or cracking of joints in wet areas can result in leaking showers, warped or rotten floor boards, balcony damage, and wet carpets, to name a few.

*AquaFlex prevents leaks from happening.*



1. Planet Green, 2008  
2. Australian Tile Council, 2007

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## AQUAFLEX™ TECHNICAL DATA

Property		Unit	Test standard	Minimum test value
Thickness		mm	EN ISO 2286-3	0.35
Unit weight		g / m <sup>2</sup>	DIN 53352	250
Tensile strength	longitudinal lateral	N / 5 cm	DIN 53857	500 50
Elongation at break	longitudinal lateral	%	DIN 53857	20 100
Tear resistance	longitudinal lateral	N / mm	DIN 53507 / ISO 34	16 7
Burst resistance		bar / cm <sup>2</sup>	DIN 53861	2
Low-temperature stability		°C	DIN 53545	- 40
Vapour diffusion resistance coefficient / μ value			DIN 53122	22 589 average value
Equivalent air layer thickness (s <sub>d</sub> value)		m	DIN 7783-2	7.90 average value
Building Material Class			DIN 4102-1	B 3

*The shown values, which were recorded by using standard test specimens, fall within the normal range of product properties and should not be used to establish specification limits.*

## AQUAFLEX™ XL TECHNICAL DATA

Properties		Unit	Test method	Test results
Thickness		mm	EN ISO 2286-3	1 +/-0.2
Density		g / cm <sup>3</sup>	DIN 53479	1.48
Tensile Strength	longitudinal transverse	N / mm <sup>2</sup>	DIN 53504	5.6 5.3
Elongation at break	longitudinal transverse	%	DIN 53504	690 740
Tear resistance	longitudinal transverse	N / mm	DIN 53507	10.8 9.9
Dimension stability after 24 h / 100 C °	longitudinal transverse	%	DIN 7864	0 0.3
Building material class (flammability)			DIN 4102 unit 1	B 2

*Remarks: This data reflects the current state of technology; no liability will be accepted for its use. Because laminate materials and working methods vary, test welds must be conducted before beginning work.*

AquaFlex Tape 25m Roll



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