

Armourfab™

Premium Polyester Reinforced Fabric &
Class III Membrane Bond Breaker

DESCRIPTION

Armourfab(TM) is a flexible polyester reinforcing fabric designed for incorporation into compatible liquid-applied waterproofing systems.

When installed at wall/floor, wall/wall and hob/wall junctions in accordance with this TDS, Armourfab(TM) provides a bond-breaker and reinforcing layer beneath compatible Class III waterproofing membranes.

At changes of plane, Armourfab(TM) provides a continuous transition across the junction and supports the waterproofing membrane to maintain a continuous and even membrane thickness while accommodating normal movement at the junction.

For applications under the NCC Housing Provisions DTS pathway, Armourfab(TM) must be installed in accordance with this TDS and used only with compatible Class III waterproofing membranes complying with AS/NZS 4858.

KEY FEATURES & BENEFITS

- Suitable for use as a bond breaker at changes of plane with compatible Class III membranes when installed in accordance with this TDS.
- Reinforces wall/floor, wall/wall and hob/wall junctions.
- Provides a continuous transition layer beneath the waterproofing membrane.
- Assists Class III membranes to maintain continuous and even membrane thickness through changes of plane.
- Flexible polyester construction accommodates complex junctions and detailing.
- High dimensional stability and tear resistance.
- Suitable for incorporation into compatible liquid-applied waterproofing systems.
- Available in widths suitable for junction detailing.
- 100% polyester construction with excellent ageing resistance.

APPLICATIONS

For use as a bond breaker and reinforcement at changes of plane within Class III liquid-applied waterproofing systems across wet areas, bathrooms, laundries, balconies and other areas subject to movement. Also suitable as general reinforcement in flat areas, transitions and high-movement details in accordance with this TDS.

NCC – CLASS III MEMBRANE APPLICATION

Armourfab(TM) is designed for use at wall/wall, wall/floor and hob/wall junctions as part of a bonded Class III waterproofing membrane system.

When used as a bond breaker, Armourfab(TM) must provide a continuous transition at the change of plane so the membrane can maintain an even thickness through the junction.

Installation must comply with NCC Housing Provisions Part 10.2, including 10.2.27 – Bond breaker installation for bonded membranes.

The waterproofing membrane used with Armourfab(TM) must be a compatible Class III membrane complying with AS/NZS 4858.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	TYPICAL VALUE
Weight	DIN 53854	60-100 g/m ² (by grage)
Warp Strength	DIN 53857	up to 350 N
Weft Strength	DIN 53857	up to 100 N
Elongation (Warp/Weft)	DIN 53857	15% / 60%
Temperature Resistance	Internal	-70°C to +200°C
Rolls Widths	-	0.1 m to 1.1 m (custom available)
Roll Lengths	-	10 m to 100 m (custom available)

GRADES AVAILABLE

CODE	HAND FEEL	WEIGHT G/M ²	WARP STRENGTH (N)	WEFT STRENGTH (N)
60GB2	Soft	60	30	15
6020	Firm	60	40	15
80GB2	Soft	80	350	40
100GB2	Soft	100	350	50
100PLUS	Premium	100	350	100



CLASS III BOND-BREAKER USE – PRODUCT SELECTION

Only Armourfab(TM) grades specifically nominated by Armourseal for Class III junction use are to be used as a bond breaker. The selected grade must be compatible with the waterproofing membrane and must be installed continuously, without wrinkles, tears or discontinuities. The technical properties above describe the fabric; project compliance depends on the complete membrane system, substrate preparation and installation detail.

APPLICATION METHOD A – GENERAL REINFORCEMENT

1. Prepare, clean and prime the substrate in accordance with the compatible membrane system specification.
2. Apply the first membrane coat to the required wet film thickness.
3. While the base coat is wet, embed Armourfab(TM) and smooth it into the coating so the fabric is fully supported and free of wrinkles and air pockets.
4. Allow the coat to dry as required, then apply subsequent membrane coats to fully encapsulate the fabric and achieve the membrane manufacturer's specified finished thickness.
5. Use additional reinforcement at transitions, penetrations and other details where required by the waterproofing system specification.

APPLICATION METHOD B – CLASS III BOND BREAKER

1. Use only with a compatible Class III bonded waterproofing membrane and only at junctions where a bond breaker is required by the NCC Housing Provisions.
2. Prepare and prime the adjoining substrates in accordance with the membrane system specifications.
3. Position Armourfab(TM) continuously across the change of plane so it forms a smooth transition through the junction. Do not pre-bond or fully saturate the fabric to the substrate through the intended movement zone at the apex of the junction.
4. Secure/embed the fabric away from the movement zone as required by the system detail so the fabric remains stable and wrinkle-free during membrane application.
5. Apply the Class III membrane continuously over the Armourfab(TM), maintaining an even membrane thickness through the change of plane. Fully coat and encapsulate the exposed fabric surfaces in accordance with the membrane manufacturer's required film thickness.
6. At laps, corners, junction intersections and terminations, maintain continuity of the bond-breaker layer and waterproofing membrane.

IMPORTANT

Do not use the general reinforcement method at a junction where Armourfab(TM) is intended to perform the bond-breaker function. The central movement zone must remain capable of relieving direct membrane-to-substrate bonding at the change of plane.

NCC USE STATEMENT

NCC Housing Provisions 10.2.27 requires bond breakers at wall/wall, wall/floor, hob/wall junctions and movement joints where the membrane is bonded to the substrate, and requires the bond-breaker type to be compatible with the membrane flexibility class.

Armourfab(TM) is intended for use with compatible Class III membranes only when installed in accordance with this TDS. At changes of plane, Armourfab(TM) is used as a continuous transition and bond-relief layer beneath the membrane so the Class III membrane can remain continuous and maintain an even thickness through the junction.

LIMITATIONS & RESPONSIBILITY

- This TDS does not constitute certification of a complete waterproofing system or of any specific project.
- Membrane compatibility, substrate suitability, required waterproofing extents and all other NCC requirements must be confirmed for the complete installed system.
- Where project documentation, membrane manufacturer instructions or regulatory requirements call for a different bond-breaker detail, those requirements take precedence.

STORAGE & HANDLING

Store in a cool, dry area away from direct sunlight and moisture. Keep rolls in original packaging until use. Avoid creasing. Clean tools per membrane manufacturer's instructions.

CONTACT

Armourseal Pty Ltd

Unit 36, #36 Turner Road, Smeaton Grange NSW 2567

Phone: 0418 261 479

Email: support@armourseal.net