

Bitumac® 720

Heavy Weight Kraft Wall Underlay

Application

Bitumac® 720 is kraft saturated with bitumen on both faces. Recommended for use as wall underlay where fire retardant properties are not important and can be used with:

- All wall cladding types
- Claddings installed over a drained cavity or direct fixed to the framing

Features and Benefits

- Absorbent - allowing it to be used with all cladding types
- Vapour permeable - allowing vapour to pass through preventing the build-up of condensation

Technical Data



NZS 2295 – Pliable, Permeable building Underlays

Properties	Requirement	Performance
Absorbency	≥ 100 g/m ²	Pass
Water Vapour Resistance	≤ 7 MN s/g	Pass
Resistance to Water Penetration	≥ 20 mm	Pass
pH of Extract	> 5.5 and < 8.0	Pass
Moisture Shrinkage	≤ 0.5%	Pass
Mechanical	Tensile Strength	MD ≥ 9 kN/m, CD ≥ 4.5 kN/m
	Edge Tear Resistance	MD ≥ 40 N, CD ≥ 35 N
Pass		
Additional Information		
Flammability Index	>5	Non Fire Retardant
NZS 2295:2006 Classification	W2	Heavy Weight
Wind load zone		Up to High

New Zealand Building Code (NZBC) and Limitations

When used, installed and maintained in accordance with the requirements outlined in this Bitumac 720 datasheet, will meet or contribute to meeting the following provisions of the NZBC:

NZBC Clause E2: External Moisture

Bitumac® 720 meets the requirements of NZBC E2/AS1 Table 23 for use as a:

- Wall underlay

NZBC Clause B2: Durability

Meets the requirement NZBC B2.3.1 a) 50 years and NZBC B2.3.1 b) 15 years

Limitations

To meet the above Bitumac® 720 *must* be

- Installed as specified on this datasheet
- Kept dry at all times and not allowed to remain wet during construction or in service
- Maintained in a cavity where it is subject to intermittent wetting only and not exposed to sustained humidities in excess of 90% RH e.g.:
 - where timber moisture content >18%
 - where other building elements are releasing moisture (e.g: drying concrete)
 - near large bodies of water (coastal, lake and river)

Installation with LOSP treated timber

Suitable for use with LOSP treated timber, conditional upon the solvent in LOSP treated timber having had sufficient time to evaporate (usually 4 days after treatment under appropriate environmental conditions).

Installation

For all wall types, Bitumac® 720 must be:

- Run horizontally
- Lapped upper sheet over lower sheet by laps not less than 75mm
- Adequately secured to plates, stud and bearers using clouts or staples at no greater than 300 centres
- Run at lengths no greater than 10m
- Lapped by no less than 150mm over studs at vertical joints
- Pulled as taut as possible
- Extended from the upper side of the top plate to the underside of the bearers supporting the ground floor joists
- Clad on the same day as installation (4 weeks maximum if Bitumac® 720 can be kept dry and undamaged).

Additionally, when installed with cavity battens on stud spacings greater than 450mm Bitumac® 720 must be:

- Fixed with polypropylene tape at 300mm centres horizontally over the framing once the wall underlay is installed and before the cavity battens are placed, to prevent wrap bridging into the drained cavity

Repairs

- Any damage must be repaired with a new piece of underlay and be fixed to studs on both sides at 300mm centres
- The covering piece must begin under the overlap of the upper sheet or at the top plate, and must extend at least 150mm below the damaged area
- The covering piece must also cover the damaged area by at least 75mm on both sides.

Specification Notes

State the following: Product required: Bitumac® 720 Non Fire Retardant Wall Underlay

Product Specification

Description	Product Code	Roll Size	Area	GSM
Bitumac® 720	7895025	1000mm x 25m	25m ²	210gsm
Bitumac® 720	7895037	1370mm x 36.5m	50m ²	210gsm

Storage

Bitumac® 720 must be protected against damage and weather. Rolls must be stored on end, under cover in a clean, dry environment. Do not crush product

Accreditations/Appraisals/Certification

Tasman Insulation New Zealand Ltd
Certified OMS



Distributed by:
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WALL

PRODUCT DATA SHEET