

Bitumac® 750

Heavy Duty Non Fire Retardant Kraft Roof Underlay

Application

Bitumac® 750 is a heavy duty kraft recommended for use as self-supporting roof underlay where fire retardant properties are not important

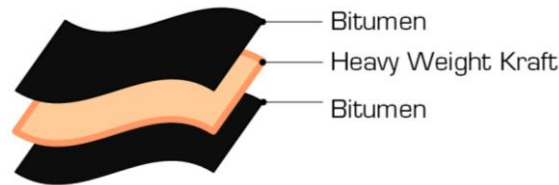
Suitable for:

- All roof cladding types including concrete and clay tiles, profiled metal and pressed metal tiles
- Direct fixing under absorbent and non absorbent roof claddings such as profiled metal

Features and Benefits

- Self-supporting heavy duty product that can be installed without support for spans up to 1200mm
- 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



NZBC E2/AS1 Table 23 Classification	Requirement	Performance
Absorbency	≥ 100g/m ²	Pass
Vapour Resistance	≤ 7 MN s/g	Pass
Water Resistance	≥ 100 mm	Pass
pH of Extract	≥ 6.0 and ≤ 9.0	Pass
Shrinkage	≤ 0.5%	Pass
Mechanical	Tensile Strength MD >12.5 kN/m, CD>7.5 kN/m Edge Tear MD >80 N, CD>80N	Heavy Duty
Air resistance	≥ 0.1 MN s/m ³	Pass
Additional Information NZS 2295:2006 Classifications for Self-supporting Roof Underlays		
Flammability Index	≤5	Non Fire Retardant
NZS 2295:2006 Classification	R2	Self-supporting
Wind load zone	R2	Up to Very High

New Zealand Building Code (NZBC) and Limitations

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

NZBC Clause E2: External Moisture

Bitumac® 750 meets the requirements of NZBC E2/AS1 Table 23 for use as a:

- Roof underlay
- Wall wrap
- Air barrier

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® 750 must be:

- Installed as specified on this data sheet
- 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 i.e:
 - where timber moisture content > 18%,
 - or where other building elements are releasing moisture (e.g: drying concrete)

Installation

When installed on metal deck roofs or roofs with purlins Bitumac® 750 must be:

- Run vertically

When installed on tile roofs (metal/clay/concrete/other) with tile battens Bitumac® 750 must be:

- Run horizontally

Additional support (galvanised wire netting) is required where Bitumac® 750 is installed:

- On pitches below 8°, where anti-ponding boards must also be installed
- Under dark coloured metal cladding
- Where support spans are > 1200mm

For all roof types Bitumac® 750 must be:

- Fixed across its width and secured adequately in place with 8mm staples or 20mm clouts at no greater than 600mm centres across the width of the paper capturing *all* edges by the fastenings
- Lapped by 150mm and face away from the prevailing wind
- Run at lengths no greater than 10m
- Run over any ridges by no less than 150mm
- Sufficiently tensioned to ensure ponding does not occur
- Clad on the same day as installation (7 days maximum if Bitumac® 750 can be kept dry and undamaged)

Penetrations

- Underlay must fit tightly and be lap taped around penetrations, allowing for free drainage of condensation

Repairs

- Any damage must be repaired with a new piece of underlay that is captured on all edges by at least 300mm centres
- The covering piece must begin under the over lap of the upper sheet or at the ridge
- The covering piece must also cover the damaged area by at least 150mm on each side

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)

Specification Notes

State the following: Product required: Bitumac® 750 Non Fire Retardant Roof Underlay

Product Specification

Description	Product Code	Roll Size	Area	GSM
Bitumac® 750	7886033	1200mm x 33.4m	40m ²	400gsm
Bitumac® 750	7886040	1250mm x 40m	50m ²	400gsm

Bitumac® 750 replaces Bitumac® 860. Product manufacture and properties are identical. Classifications updated to meet NZBC E2/AS1 Table 23

Storage

Bitumac® 750 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 QMS



Tasman Insulation New Zealand
Limited
9-15 Holloway Place, Penrose,
Auckland,
New Zealand

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ROOF

PRODUCT DATA SHEET