

## Bitumac® 750 (860)

### Heavy Duty Non Fire Retardant Kraft Roof Underlay

#### Application

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

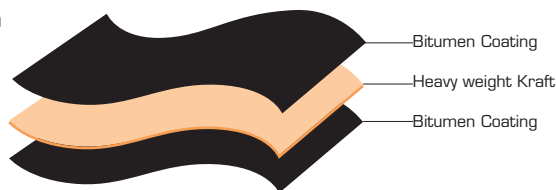
Suitable for:

- 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



#### NZS 2295 – Pliable, Permeable Building Underlays

Properties	Requirement	Performance	
Absorbency	≥ 150 g/m <sup>2</sup>	Pass	
Water Vapour Resistance	≤ 7 MN s/g	Pass	
Resistance to Water Penetration	≥ 100 mm	Pass	
pH of Extract	> 5.5 and < 8.0	Pass	
Moisture Shrinkage	≤ 0.5%	Pass	
Mechanical	Tensile Strength	MD ≥ 11 kN/m, CD ≥ 6 kN/m	Pass
	Edge Tear Resistance	MD ≥ 70 N, CD ≥ 55 N	
Air Resistance	≥ 0.1 MN s/m <sup>3</sup>	Pass	
Additional Information			
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

### General

- If roof pitch is less than 10 degrees, Bitumac® 750 should be run horizontally on support.
- If roof pitch is equal or greater than 10 degrees, Bitumac® 750 may be run horizontally or vertically.

Support is also required where Bitumac® 750 is installed on spans greater than 1200mm.

### For all wall 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

- Bitumac® 750 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

### 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	7886024	1250mm x 24m	30m <sup>2</sup>	330gsm
Bitumac® 750	7886040	1250mm x 40m	50m <sup>2</sup>	330gsm

### 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 OMS



Distributed by:  
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ROOF

PRODUCT DATA SHEET