

Flamestop® 950

Heavy Duty Fire Retardant Kraft Roof Underlay

Application

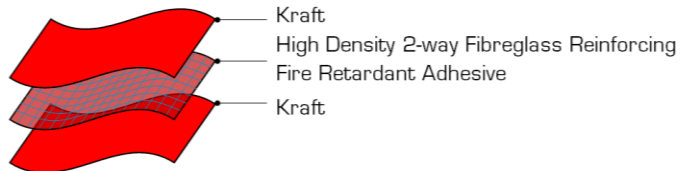
Flamestop® 950 is a heavy duty fire retardant kraft recommended for use as a self-supporting roof underlay Suitable for:

- 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

- Fire retardant and will not support combustion
- Self-supporting heavy duty product that can be installed on spans up to 1200mm without support
- Absorbent allows it to be used with all cladding types
- High density two-way fibreglass reinforcement for greater strength and edge tear resistance
- Vapour permeable allowing vapour to pass through and prevent the build up of condensation

Technical Data



NZBC E2/AS1 Table 23 Classification	Requirement	Performance				
Absorbency	≥ 100 g/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	<table border="1"> <thead> <tr> <th>Tensile Strength</th> <th>MD > 12.5 kN/m, CD > 7.5 kN/m</th> </tr> </thead> <tbody> <tr> <td>Edge Tear</td> <td>MD > 80 N, CD > 80 N</td> </tr> </tbody> </table>	Tensile Strength	MD > 12.5 kN/m, CD > 7.5 kN/m	Edge Tear	MD > 80 N, CD > 80 N	Heavy Duty
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Additional Information NZS 2295:2006 Classifications for Self-supporting Roof Underlays						
Flammability Index	≤ 5	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, Flamestop® 950 will meet or contribute to meeting the following provisions of the NZBC:

NZBC Clause E2: External Moisture

Meets the requirements of NZBC E2/AS1 Table 23 for use as a:

- Roof underlay
- Wall wrap

NZBC Clause B2: Durability

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

Limitations

To meet the above, Flamestop® 950 must be:

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

Installation

When installed on metal deck roofs or roofs with purlins, Flamestop® 950 must be:

- Run vertically

When installed on tile roofs (metal/clay/concrete/other) with tile battens, Flamestop® 950 must be:

- Run horizontally

Additional support (galvanised wire netting) is required where Flamestop® 950 is installed:

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

For all roof types, Flamestop® 950 must be:

- Fixed across its width and secured adequately in place with 8mm staples or 20mm clouts
- Fixed at no greater than 600mm centres across the width of the paper capturing *all* edges with the fastenings
- Lapped by 150mm and face away from the prevailing wind
- Run at lengths no greater than 7m (to allow for the inherent shrinkage of fire retardant paper)
- Run over any ridges by no less than 150mm
- Sufficiently tensioned to ensure ponding does not occur
- Installed and clad on the same day (7 days maximum if Flamestop® 950 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 overlap of the upper sheet or at the ridge
- The covering piece must also cover the damaged area by at least 150mm on each side

Specification Notes

State the following: Flamestop® 950 Heavy Duty Fire Retardant Kraft Roof Underlay

Product Specification

Description	Product Code	Roll Size	Area	Nominal GSM
Flamestop® 950	749504	1250mm x 40m	50m ²	450gsm

Storage

Flamestop® 950 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
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9-15 Holloway Place, Penrose,
Auckland,
New Zealand

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ROOF

PRODUCT DATA SHEET