

Sisalation® Multipurpose EHD (456)

Description

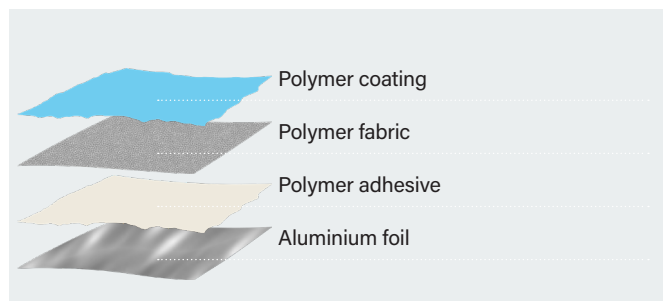
Sisalation® Multipurpose EHD (456) is a flexible, non vapour permeable water barrier designed as a second skin for residential and commercial wall and roofing applications. This product is a foil-based membrane with an antiglare face designed to minimise glare experienced during installation.

Application

Sisalation® Multipurpose EHD (456) is designed for use as a pliable building membrane in applications such as brick veneer walls, tile roofs (with the exception of slate) and metal roofs (where it can be installed under the battens). Sisalation® Multipurpose products are specifically designed for external wall applications in climate zones 1-5 and in suitable roofing applications in all climate zones.

When overlapped and sealed with Vapastop® 883 Reinforced Foil Tape, Sisalation® Multipurpose products provide a tough secondary skin for vapour and moisture control and act as a wind, heat and dust barrier. This effective barrier also protects the building frame by minimising the amount of rain and dust that penetrates.

Product composition



Features and benefits

| | | |
|--------------------------|---|--|
| Extra Heavy Duty product | → | Suitable for use in both residential and commercial projects. |
| Vapour and water barrier | → | Provides a second skin of protection from water ingress to the building. |
| Anti-glare face | → | Reduces glare during installation. |

Product data

| Width mm | Length m | Area per roll m ² | Weight per roll kg | Old product code | New product code |
|----------|----------|------------------------------|--------------------|------------------|------------------|
| 1350 | 30 | 40.50 | 4.66 | 352330 | 4006736 |
| 1350 | 60 | 81.00 | 9.32 | 352360 | 4006738 |
| 1500 | 30 | 45.00 | 5.12 | 352331 | 4006737 |

Physical properties

| Property | | Test method/Standard | Test result | Unit |
|--------------------------------|-----------------|----------------------|-------------------------|------|
| Duty Classification | | AS/NZS 4200.1 | Extra Heavy Duty | |
| Edge Tear | Machine | TAPPI T470 | ≥ 90 | N |
| | Lateral | | ≥ 90 | N |
| Tensile Strength | Machine | AS 1301.448s | ≥ 13.0 | kN/m |
| | Lateral | | ≥ 10.5 | kN/m |
| Vapour Control | | ASTM E96 | Class 1 Vapour Barrier | |
| Water Control | | AS/NZS 4201.4 | Water Barrier | |
| Emittance | Anti-glare face | AS/NZS 4201.5 | IR Non-reflective (0.9) | |
| | Silver side | | IR Reflective (0.03) | |
| Resistance to Dry Delamination | | AS/NZS 4201.1 | PASS | |
| Resistance to Wet Delamination | | AS/NZS 4201.2 | PASS | |
| Shrinkage | | AS/NZS 4201.3 | ≤ 0.5 | % |
| Electrical Conductivity | | AS/NZS 3100 | Electrically Conductive | |
| Nominal Thickness | | | < 1.0 | mm |

Fire hazard properties

Sisalation® Multipurpose EHD (456) exhibits the following characteristics when tested in accordance with the following standards:

| Property | Test method/Standard | Result |
|--------------------|----------------------|----------|
| Flammability Index | AS/NZS 1530.2 | ≤5 (Low) |

Compliance

Sisalation® Multipurpose EHD (456) products comply with the National Construction Code (NCC) for sarking type materials and satisfy the following requirements:

- AS 4200.1 for 'Pliable Building Membranes' Deemed to Satisfy Standard, recognised by NCC Volumes 1 and 2.
- NCC 2019 Volume 1 Non-Combustible building elements C1.9(e) (vi) Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5. NCC 2019 Volume 2 General Concession – Non-Combustible Materials 3.7.1.1 (f) Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5.
- Suitable for use in bushfire areas with a Bushfire Attack Level (BAL) Low-FZ (wall) or Low-40 (roof) in accordance with AS 3959.

Environmental properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of Sisalation® pliable building membranes guarantees the use of zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Important notes

- Sisalation® pliable building membrane products must be kept dry, out of contact with direct sunlight and out of contact with alkaline products, cement and mortar as well as corrosive environments such as chlorine.
- Sisalation® pliable building membrane products are not designed to withstand weathering hence the external cladding should be applied without delay.
- Sisalation® pliable building membrane products shall be installed in accordance with AS 4200.2
- 'Pliable Building Membranes and Underlays – Installation Requirements for Metal Roofs, Tile Roofs and Walls' Additional guidelines are available for download via www.insulation.com.au or by contacting Fletcher Insulation on 1300 654 444.
- Building Designer to consider the suitability of this product based on the projects design requirements.

Technical specification

When specifying, please state the following:

The wall wrap material shall be Fletcher Insulation Sisalation® Multipurpose EHD (456).

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