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EN 13859-1

Breather waterproof roofing underlay manufactured by thermally bonding outer spunbonded polypropylene layers and inner layer of microporous polypropylene film for pitched supported or unsupported roof construction for both applications, timber sarking or directly over thermal insulation with recommended overlap.

This product does not contain any dangerous substances.

Length (EN 1848-2) 50m ($\pm 0,5$ m)

Width (EN 1848-2) 1,5m ($\pm 0,015$ m) or 3,0m ($\pm 0,03$ m)

Thickness (EN 1849-2) 0,5($\pm 0,1$ mm)

Straightness (EN 1848-2) conforming

Mass per unit area(EN 1849-2) 135g/m² (-5+15 g/m²)

Tensile properties: Maximum tensile force (EN 12311-1EN 13859-1)
MD 285 N/50mm(-30N/50mm) / CD 195N/50mm(-20N/50mm)

Tensile properties:Elongation (EN 12311-1 EN 13859-1)
MD 45%(-15+20%) / CD 70%(-20+30%)

Resistance to tearing (EN 12310-1 EN 13859-1/B)
MD 120N/200mm (-12N/200mm) / CD 140N/200mm (-14N/200mm)

Resistance to water penetration(EN 1928)
W1

Water vapour transmission properties (EN 12572/C)
 $s_d = 0,02$ m (+0,015m)

Reaction to fire (EN 13501-1)
E, bottomed with insulating compound

Flexibility at low temperature (EN 1109) at -20°C
conforming

Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat (annexe C, E 13859-1)
- resistance to water penetration W1
- change tensile strength <20%
- change elongation <50%

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