

Synthetic Polypropylene Roofing Breathable Underlay

TECHNICAL INFORMATION

BREATH 160S is a **Facade Roofing Underlay** with high **Breathable** and **Airtightness** characteristics providing a perfect air and liquid protection to buildings. It is durable, clean, and easy to cut & install, and offers excellent temporary protection for timber and insulation against wind driven rain, snow & dust.

BREATH 160S conforms to the Construction Products Regulation (EU) 305/2011, Underlays for discontinuous roofing and Underlays for walls (Annex ZA of EN 13859-1/-2) and is manufactured under control of an ISO 9001 quality management system.

Characteristics	Standard	Performance	
Product Code		BREATH 160S	
Mass per unit area	EN 1849-2	160 g/m ² (+/- 10 g/m ²)	
Water vapour resistance Sd	EN 12572c	Sd 0.025m (-0.01/+0.035m)	
Water penetration	EN 1928 before ageing after ageing*	Class W1 Class W1	
Tensile strength	EN 12311-1 before ageing after ageing*	MD 290N (- 60 N) MD 270N (- 60 N)	CD 180N (- 50N) CD 160N (- 50N)
Elongation	EN 12311-1 before ageing after ageing*	MD 35% - 70 % MD 25% - 50 %	CD 50% - 90 % CD 35% - 60 %
Tear resistance	EN 12310-1	MD 180N (- 50 N)	CD 180N (-50N)
Dimensional Stability	EN 11072	MD +/- 0.5%	CD +/-0.5%
		-denotes shrinkage, + denotes extension	
Resistance to air Penetration	EN 12114	< 0.01 m ³ /m ² .h.	
Flexibility at low temperature	EN 1109	No cracking at minus 40°C	

*after ageing results measured according to paragraph 4.3.8. 1 of EN 13859-1:2010 at 80°C

Conditions applicable to the end use of the product

Rolls should be stored flat or on a clean level surface and kept under cover. After installation the roof should not stay open for a period longer than four (4) weeks in weather conditions as in Northern Europe and ten (2) weeks in weather conditions as in Turkey. The UV stability is (3) three months under the weather conditions as in Northern Europe and two (2) months in weather conditions as in Turkey.

Method of Installation

Any guidelines concerning installation that are supplied with the product should be consulted prior to laying. For general information – the underlay should be unrolled across the roof heavy side up, and draped a minimum of 150mm onto the propriety eaves carrier. The underlay should be fixed to the rafters or boarded sarking, subsequent rows should be lapped by 150mm to shed water out and down to slope. Adjacent rolls should be lapped by 100mm

HAS YALITIM SAN. VE TİC. A.Ş. believes that the information provided herein is accurate as at the date of publication. The information does not form part of any contract. HAS YALITIM SAN. VE TİC. A.Ş. reserves the right to change specifications or other product information. Thrace Nonwovens & Geosynthetics S.A. accepts no responsibility or liability for information provided by third parties. No warranties, express or implied, are offered regarding the suitability of any product for your use, as site conditions and customer requirements vary. Should you require further information, please contact us. Products are sold subject to the seller's terms and conditions of sale. No warranty or immunity is offered against infringement of patents or other intellectual property rights.

© HAS YALITIM SAN. VE TİC. A.Ş. 2015. The intellectual property in the products is owned HAS YALITIM SAN. VE TİC. A.Ş. or its licensors.