

breathable roof membranes underlays

roofing accessories /
attic ventilation

10.1. AquaTec 95 roof underlay



polypropylene nonwovens laminated with microporous polypropylene film



length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation

index	m ² per roll	m ² per pallet
12100	75 m ²	3600 m ² /48 rolls

10.2. AquaTec 95T roof underlay



polypropylene nonwovens laminated with microporous polypropylene film



length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation; an integrated strip of glue facilitates installation

index	m ² per roll	m ² per pallet
121001	75 m ²	3600 m ² /48 rolls

10.3. AquaTec 115 roof underlay



polypropylene nonwovens laminated with microporous polypropylene film

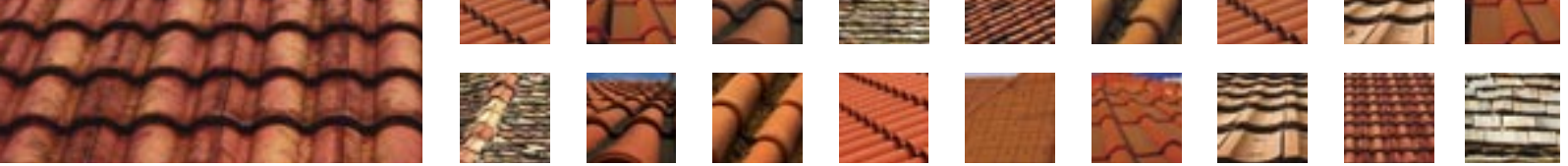


length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation

index	m ² per roll	m ² per pallet
12200	75 m ²	2925 m ² /39 rolls



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10.4. AquaTec 115T roof underlay



polypropylene nonwovens laminated with microporous polypropylene film



length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation; an integrated strip of glue facilitates installation

index	m ² per roll	m ² per pallet
122001	75 m ²	2925 m ² /39 rolls



10.5. AquaTec 150 roof underlay



polypropylene nonwovens laminated with microporous polypropylene film



length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation that can be used on full boarding as well

index	m ² per roll	m ² per pallet
12300	75 m ²	2250 m ² /30 rolls



10.6. AquaTec 150T roof underlay



polypropylene nonwovens laminated with microporous polypropylene film



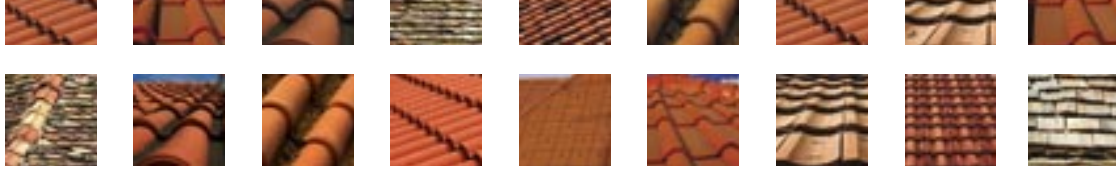
length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation that can be used on full boarding as well; an integrated strip of glue facilitates installation

index	m ² per roll	m ² per pallet
123001	75 m ²	2250 m ² /30 rolls





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10.7. AquaTec 180 roof underlay new



polypropylene nonwovens laminated with microporous polypropylene film



length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation that can be used on full boarding as well

index	m ² per roll	m ² per pallet
12500	75 m ²	2250 m ² /30 rolls



10.8. AquaTec 180T roof underlay new



polypropylene nonwovens laminated with microporous polypropylene film

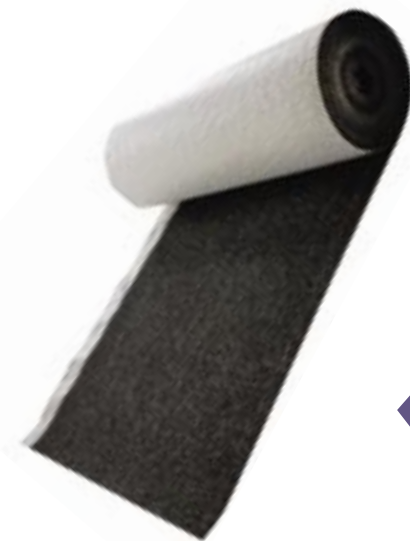


length 50 m
width 1,5 m



three-layer diffusion roof underlay used in a direct contact with thermal insulation that can be used on full boarding as well; an integrated strip of glue facilitates installation

index	m ² per roll	m ² per pallet
125001	75 m ²	2250 m ² /30 rolls



10.9. AquaTec Metal roof underlay new



polypropylene nonwovens laminated with microporous polypropylene film; the upper side is additionally covered with a distancing drainage layer

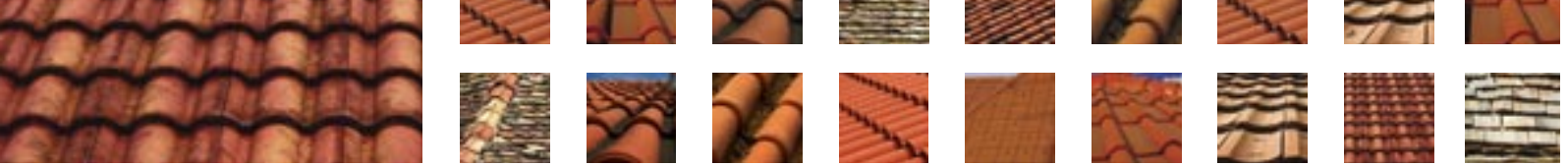


length 25 m
width 1,5 m



four-layer diffusion roof underlay used in a direct contact with thermal insulation that can be used on full boarding as well; designed for roofs covered with flat metal sheets.

index	m ² per roll	m ² per pallet
12400	37,5 m ²	225 m ² /6 rolls



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technical parameters:		AquaTec® 95 *	AquaTec® 115 *	AquaTec® 150 *	AquaTec® 180 *	AquaTec® METAL
weight		approx. 95 g/m ²	approx. 115 g/m ²	approx. 150 g/m ²	approx. 180 g/m ²	approx. 400 g/m ²
number of layers		three	three	three	three	four
thickness		0,45 mm ± 5%	0,55 mm ± 5%	0,65 mm ± 5%	0,82 mm ± 5%	0,65 + 8 mm ± 5%
water vapour diffusion (Sd)		0,017 m ± 0.003 m	0,018 m ± 0.003 m	0,019 m ± 0.003 m	0,021 m ± 0.003 m	0,019 m ± 0.003 m
water vapour permeability (Lyssy 38 °C, 85%)		4000 g/m ² x 24h ± 10%	3950 g/m ² x 24h ± 10%	4000 g/m ² x 24h ± 10%	2900 g/m ² x 24h ± 10%	4000 g/m ² x 24h ± 10%
water vapour permeability (Lyssy 23 °C, 85%)		1650 g/m ² x 24h ± 10%	1550 g/m ² x 24h ± 10%	1500 g/m ² x 24h ± 10%	1200 g/m ² x 24h ± 10%	1500 g/m ² x 24h ± 10%
tensile strength	lengthwise	225 N/5cm ± 10%	250 N/5cm ± 10%	340 N/5cm ± 10%	420 N/5cm ± 10%	340 N/5cm ± 10%
	crosswise	125 N/5cm ± 10%	155 N/5cm ± 10%	210 N/5cm ± 10%	240 N/5cm ± 10%	210 N/5cm ± 10%
tearing strength (resistance to a nail)	lengthwise	90 N ± 10%	120 N ± 10%	125 N ± 10%	230 N ± 10%	125 N ± 10%
	crosswise	85 N ± 10%	110 N ± 10%	130 N ± 10%	225 N ± 10%	130 N ± 10%
max. UV exposure		max. 3 months	max. 3 months	max. 3 months	max. 3 months	max. 3 months
usage on roof with full boarding		not recommended	not recommended	possible	possible	possible
water resistance		W1	W1	W1	W1	W1
temperature resistance		from - 40 °C to + 80 °C	from - 40 °C to + 80 °C	from - 40 °C to + 80 °C	from - 40 °C to + 80 °C	from - 40 °C to + 80 °C
width		1,5 m	1,5 m	1,5 m	1,5 m	1,5 m
length		50 m	50 m	50 m	50 m	25 m
number of rolls on a pallet		48 (3600 m ²)**	39 (2925 m ²)**	30 (2250 m ²)**	30 (2250 m ²)**	6 (225 m ²)**
material		polypropylene	polypropylene	polypropylene	polypropylene	polypropylene
production method		ultrasonic lamination	ultrasonic lamination	ultrasonic lamination	ultrasonic lamination	ultrasonic lamination and glueing
source		declaration of conformity no. 1/2008 EN 13859-1: 2006 EN 13859-2: 2006	declaration of conformity no. 3/2008 EN 13859-1: 2006 EN 13859-2: 2006	declaration of conformity no. 5/2008 EN 13859-1: 2006 EN 13859-2: 2006	declaration of conformity no. 7/2008 EN 13859-1: 2006 EN 13859-2: 2006	declaration of conformity no. 11/2008 EN 13859-1: 2006 EN 13859-2: 2006

* the product is available with an integrated strip of glue

** we reserve the right to change the packing and the number of rolls on a pallet

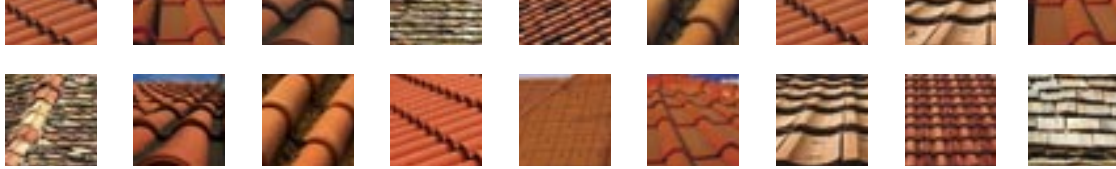


EN 13859-1: 2006 Flexible sheets for waterproofing Part 1: Underlays for discontinuous roofing
EN 13859-2: 2006 Flexible sheets for waterproofing Part 2: Underlays for walls
Diffusion roof underlays meet the criteria set in EN 13859-1: 2006 and EN 13859-2: 2006 norms and are permitted to be used for construction purposes in the European Union.



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vapour barriers roof underlays

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10.10. AquaTec VB vapour barrier new



polypropylene nonwovens laminated with low diffusion polypropylene film

length 50 m
width 1,5 m

three-layer active vapour barrier enabling low diffusion of water vapour

index	m ² per roll	m ² per pallet
12700	75 m ²	3600 m ² /48 rolls



10.11. AquaTec VB Reflex vapour barrier new



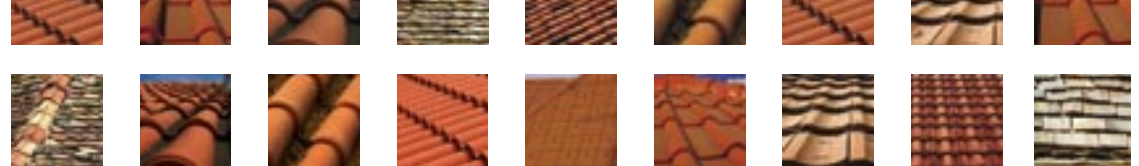
polypropylene nonwovens laminated with low diffusion polypropylene film;
the bottom side is coated with a thin layer of aluminium

length 50 m
width 1,5 m

two-layer vapour barrier that helps to save thermal energy
by reflecting infrared radiation.

index	m ² per roll	m ² per pallet
12600	75 m ²	3600 m ² /48 rolls





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technical parameters:	AquaTec® VB	AquaTec® VB Reflex
weight	approx. 85 g/m ²	approx. 77 g/m ²
number of layers	three	two
thickness	0,5 mm ± 5%	0,37 mm ± 5%
water vapour diffusion (Sd)	8m±3%	24m±3%
water vapour diffusion (EN 1931)	4,62 g/m ² x 24h ± 3%	1,47 g/m ² x 24h ± 3%
tensile strength	lengthwise	140 N/5 cm ± 10%
	crosswise	85 N/5 cm ± 10%
tearing strength (resistance to a nail)	lengthwise	120 N ± 10%
	crosswise	105 N ± 10%
max. UV exposure	max. 3 months	max. 3 months
water resistance	W1	W1
temperature resistance	from - 40 °C to + 80 °C	from - 40 °C to + 80 °C
width	1,5 m	1,5 m
length	50 m	50 m
number of rolls on a pallet	48 (3600 m ²)*	48 (3600 m ²)*
material	polypropylene	polypropylene, aluminium
production method	ultrasonic lamination	ultrasonic lamination
source	declaration of conformity no. 10/2008 EN 13984:2006	declaration of conformity no. 9/2008 EN 13984:2006

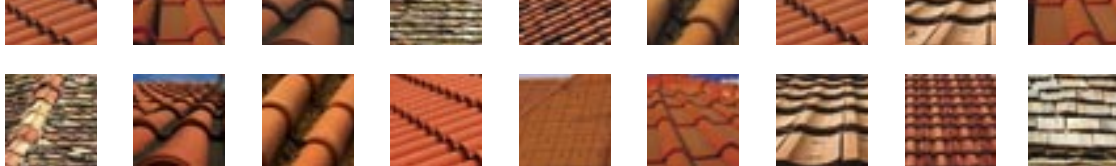
* we reserve the right to change the packing and the number of rolls on a pallet

 EN 13984:2006 Flexible sheets for waterproofing - Plastic and rubber vapour control layers. Vapour barriers meet the criteria set in EN 13984:2006 norm and are permitted to be used for construction purposes in the European Union.



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accessories **roof underlays**

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10.12. **AquaTec tape for sealing membranes and vapour barriers**



length 25 m
width 60 mm or 25 mm



two-sided glue tape that can be applied to any kind of roof underlays both inside and outside

60mm x 25 m

index	rolls/pack
12209	4

25mm x 25 m

index	rolls/pack
122091	4



10.13. **AquaTec repairation tape**



length 25 m
width 60 mm or 100 mm



applied to any kind of roof underlays both inside and outside

60mm x 25 m

index	rolls/pack
12210	4

100 mm x 25 m

index	rolls/pack
122101	2



10.14. **butyl glue tape**



a kind of glue based on butyl rubber sold as a tape



length 50 m
width 15 mm
thickness 1,5 mm



used for sealing and joining metal, wooden or plastic parts;
resistant to temperature changes from - 40 to +80 °C

index	rolls/pack
12802	10