



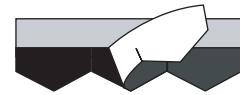
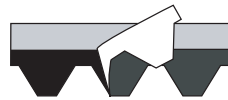
# SHIELD SHINGLES



Self-adhesive shingle

## YOUR BENEFITS

- Can be used on vertical surfaces
- Full safety against upwards infiltration of water and snow
- Exceptional resistance to strong winds
- Available in the widest range of colours
- More economical on low slopes (down to 15°)
- Easy to install on high slope roofs



	ArmourShield®	BiberShield®	DiamantShield®
Length (EN 544)	1000 mm (+/- 3)	1000 mm (+/- 3)	1000 mm (+/- 3)
Width (EN 544)	318 mm (+/- 3)	336 mm (+/- 3)	284 mm (+/- 3)
Weight (slope > 25°)	9,4 kg/m <sup>2</sup>	12,1 kg/m <sup>2</sup>	11,2 kg/m <sup>2</sup>
Coverage/bundle	3 m <sup>2</sup>	2,47 m <sup>2</sup>	2,46 m <sup>2</sup>
Shingles/bundle	22	19	22
Bundles/pallet	42	48	36
Granule adhesion (EN 12039)	max 1,2 g	max 1,2 g	max 1,2 g
Tensile length* (EN 12311-1)	1000 N/50 mm	1000 N/50 mm	1000 N/50 mm
Tensile width* (EN 12311-1)	700 N/50 mm	700 N/50 mm	700 N/50 mm
Elongation length* (EN 12311-1)	3,50 %	3,50 %	3,50 %
Elongation width* (EN 12311-1)	3,50 %	3,50 %	3,50 %
Nail tear resistance* (EN 12310-1)	160 N	160 N	160 N
Wind resistance (tunnel test: slope 10°)	up to 220 km/h		
Fire resistance	DIN 4102/7 PN-B-02872/1996 MSZ 14800-11 BS 476/3 ZP-2/1991		DIN 4102/7

\* Registered average values.