



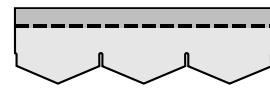
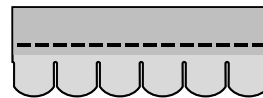
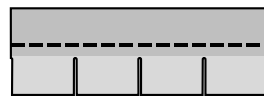
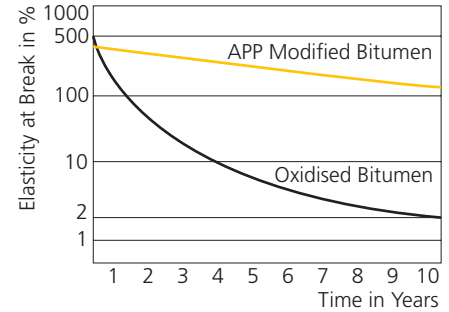
PREMIUM SHINGLES



The polymer improved shingle

YOUR BENEFITS

- Based on the latest technological developments
- Thicker and more flexible at low temperatures
- Resistant against extreme weather conditions
- Maximum durability backed up by a full platinum guarantee
- Ideal for complicated roofs and re-roofing



	Monarch®	Monarch®-Biber	Monarch®-Diamant
Length (EN 544)	1000 mm (+/- 3)	1000 mm (+/- 3)	1000 mm (+/- 3)
Width (EN 544)	336 mm (+/- 3)	336 mm (+/- 3)	284 mm (+/- 3)
Weight (slope > 25°)	+/- 12,4 kg/m ²	+/- 13,1 kg/m ²	+/- 12 kg/m ²
Coverage/bundle	2,58 m ²	2,34 m ²	2,46 m ²
Shingles/bundle	18	18	22
Bundles/pallet	48	48	42
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)	600 N/50 mm	600 N/50 mm	600 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)	165 N	165 N	165 N
Flexibility at low temperature (EN 1110)	≤ -5 °C	≤ -5 °C	≤ -5 °C
Heat resistance (EN 1110)	140 °C	140 °C	140 °C
Fire resistance	DIN 4102/7 DS INSTA 413 BS 476/3 ZP-2/1991 EN ISO 11925-2	DIN 4102/7 ZP-2/1991	DIN 4102/7 ZP-2/1991

* Registered average values.

Notice: The information is subject to change without prior notice. Consult our shingle overview leaflet or website www.iko-shingles.eu for colour availability of the products.