



# PREMIUM SHINGLES • The polymer modified bitumen shingle



>>> Monarch® (07) Dual Brown





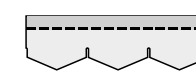
# PREMIUM SHINGLES • The polymer modified bitumen shingle

## Your Benefits:

- Upgraded shingle option manufactured with polymer-modified bitumen
- Thicker shingle
- More flexible at low temperatures
- Additional resistance at high temperatures
- Resistant against extreme weather conditions
- Maximum durability due to APP modified bitumen



Monarch®



Monarch®-Diamant

|                        |                     |                     |
|------------------------|---------------------|---------------------|
| <b>Width (EN 544)</b>  | 1000 mm (± 3)       | 1000 mm (± 3)       |
| <b>Height (EN 544)</b> | 336 mm (± 3)        | 284 mm (± 3)        |
| <b>Coverage/bundle</b> | 2,58 m <sup>2</sup> | 2,46 m <sup>2</sup> |
| <b>Shingles/bundle</b> | 18                  | 22                  |
| <b>Bundles/pallet</b>  | 48                  | 42                  |

|  |             |
|--|-------------|
| <b>Granule adhesion (EN 12039)</b>               | max. 1,2 g  |
| <b>Tensile strength (width)* (EN 12311-1)</b>    | 900 N/50 mm |
| <b>Tensile strength (height)* (EN 12311-1)</b>   | 600 N/50 mm |
| <b>Elongation (width)* (EN 12311-1)</b>          | 3,50 %      |
| <b>Elongation (height)* (EN 12311-1)</b>         | 3,50 %      |
| <b>Nails shank tear resistance* (EN 12310-1)</b> | 165 N       |
| <b>Flexibility at low temp. (EN 1109)</b>        | ≤ -5 °C     |
| <b>Heat resistance (EN 1110)</b>                 | 140 °C      |

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>External fire performance</b> | B <sub>roof</sub> T <sub>1</sub> |
| <b>Reaction to fire</b>          | Class E                          |

\* Registered average values



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