

**Super-  
KL, Katrilli, Jazzy, Rocky and Foxy  
Bitumen Shingles and Ridge/Eaves Sheets**

EN 544

Bitumen shingles with mineral and/or synthetic reinforcements -  
Product specification and test methods

**DESCRIPTION OF THE PRODUCT**

|                                 |                                                                |                    |        |
|---------------------------------|----------------------------------------------------------------|--------------------|--------|
| <b>TYPE acc. EN 544</b>         | 4 E 2                                                          |                    |        |
| <b>Type of application</b>      | SBS elastomer modified bitumen shingle for roofs with adhesive |                    |        |
| <b>Method of application</b>    | Mechanical with roofing nails                                  |                    |        |
| <b>Type of coating</b>          | SBS-modified bitumen                                           |                    |        |
| <b>Type of carrier</b>          | Glass non woven                                                |                    |        |
| <b>Type of top surfacing</b>    | Slates and/or mineral granules                                 |                    |        |
| <b>Type of bottom surfacing</b> | Fine sand + self adhesive SBS modified bitumen                 |                    |        |
| <b>Mass per unit area</b>       | 4300 ± 300 g/m <sup>2</sup>                                    | <b>Test method</b> | EN 544 |
| <b>Nominal thickness</b>        | 3,0 mm (± 10 %)                                                |                    | EN 544 |
| <b>Width</b>                    | 1000 mm (± 3 mm)                                               |                    | EN 544 |
| <b>Height</b>                   | 317 mm (± 3 mm)                                                |                    | EN 544 |
| <b>Visual defects</b>           | No defects                                                     | <b>Pass</b>        | EN 544 |

**FIRE PROPERTIES**

|                                                |                        |                       |                    |
|------------------------------------------------|------------------------|-----------------------|--------------------|
| <b>External Fire performance <sup>1)</sup></b> | <b>Fireclass</b>       | <b>Classification</b> | <b>Test method</b> |
| External Fire performance <sup>1)</sup>        | B <sub>ROOF</sub> (t1) | EN 13501-5            | ENV 1187 (t1)      |
| External Fire performance <sup>1)</sup>        | B <sub>ROOF</sub> (t2) | EN 13501-5            | ENV 1187 (t2)      |
| External Fire performance <sup>1)</sup>        | B <sub>ROOF</sub> (t4) | EN 13501-5            | ENV 1187 (t4)      |
| <b>Reaction to Fire</b>                        | F                      | EN 13501-1            | EN ISO 11925-2     |

**MANDATED CHARACTERISTICS**

|                                                | EN 544<br>Requirement | Units            | Results | Test method |
|------------------------------------------------|-----------------------|------------------|---------|-------------|
| <b>Tensile strength at 23 °C</b>               |                       |                  |         | EN 12311-1  |
| longitudinal                                   | ≥ 600                 | N/50 mm          | PASS    |             |
| transversal                                    | ≥ 400                 | N/50 mm          | PASS    |             |
| <b>Nail shank tear resistance</b>              | ≥ 100                 | N                | PASS    | EN 12310-1  |
| <b>Mass of bitumen</b>                         | ≥ 1300                | g/m <sup>2</sup> | PASS    | EN 544      |
| <b>Flow resistance at elevated temperature</b> | ≤ 2 mm, 90 °C         | mm               | PASS    | EN 1110     |
| <b>Resistance to blistering</b>                | no defects            | -                | PASS    | EN 544      |
| <b>Resistance to UV radiation (60 cycles)</b>  | no defects            | -                | PASS    | EN 1297-1   |
| <b>Adhesion of granules</b>                    | ≤ 2,5                 | g                | PASS    | EN 544      |
| <b>Water absorption</b>                        | ≤ 2                   | %                | PASS    | EN 544      |

1) The B<sub>ROOF</sub>-classification is valid on wooden and on noncombustible substrates with and without a bituminous underlay sheet.

The manufacturer reserves the right to change the content without further notice.

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