

KRAITEC[®] STEP

Rubber granulate tile for protection of waterproofing membranes

June 2026

DESCRIPTION:

KRAITEC STEP is a rubber granulate tile specifically designed for protection of waterproofing membranes on flat roofs (e.g. walkways for roof maintenance), balconies and terraces. KRAITEC STEP is also used as a supporting underlay under systems installed on roofs (e.g. solar power units, antennas, etc.).

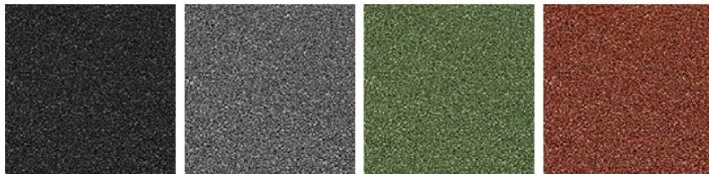
MATERIAL:

Polyurethane-bonded recycled tyre granulate.

PRODUCT DESIGN:

| | |
|------------|--|
| Surface | Smooth with open pores, chamfered edges |
| Lower side | Smooth with open pores, with drainage channels |

COLOURS: Black, Grey, Green, Red.



(Note: Grey is in stock and Black, Red & Green - are special order with minimum quantities required.)

DIMENSIONS/TOLERANCES/WEIGHT:

| | |
|----------------------------|--|
| Length x width x thickness | 500 mm x 500 mm, 30 mm |
| Tolerances | length/width \pm 1.5%, thickness \pm 2 mm |
| Weight slab | approx. 5.2 kg |
| Area weight | approx. 20.8 kg/m ² |

INSTALLATION:

Install in accordance with the KRAITEC STEP installation instructions.

OTHER:

Plastic connector pins included, receiving holes drilled on two sides. (The Standard Colour can be drilled on four sides on request).

TECHNICAL DATA:

| Product Testing | |
|--------------------------------|--|
| Fire resistance | Efl (B2) (EN 13501-1) Broof(t1) (DIN EN 13501-5) |
| Chemical resistance | Conditionally resistant to acids and bases |
| Environmental resistance: | Rot-proof and water-resistant |
| Compression under traffic load | 10 % at approx. 18 t/m ² 20 % at approx. 38 t/m ² (test method based on DIN EN ISO 3386-2) |
| Water permeability | Given by open pores |

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TECHNICAL DATA (continued):

| Product Testing | |
|---|---|
| Water drainage capacity at hydraulic gradient $i = 0.015$ | 0.037 L/(m. s) in direction of drainage channels 0.022 L/(m. s) in transverse direction (test method based on DIN EN ISO 12958) |
| Water drainage capacity at hydraulic gradient $i = 0.05$ | 0.097 L/(m. s) in direction of drainage channels 0.070 L/(m. s) in transverse direction (test method based on DIN EN ISO 12958) |
| Frost resistant | Yes |
| Coefficient of thermal expansion | cm ca.10 x 10 ⁻⁵ /°C |
| Salt water resistance | Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2) |
| UV resistance | Fully resistant (DIN EN ISO 1297, DIN EN ISO 3386-2) (Colour variations are possible due to environmental influences.) |
| Anti-slip properties | C (DIN 5109, wet loaded barefoot areas) R10 (For work rooms and work areas with danger of slipping according to DIN 51130: 2014-02) |
| Chlorine resistance | Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2) |
| Sound insulation | The readings have been raised with the full specified layer structure in a laboratory measurement |
| Impact sound insulation | The readings have been raised with the full specified layer structure in a laboratory measurement. (In accordance with ISO 10140) |

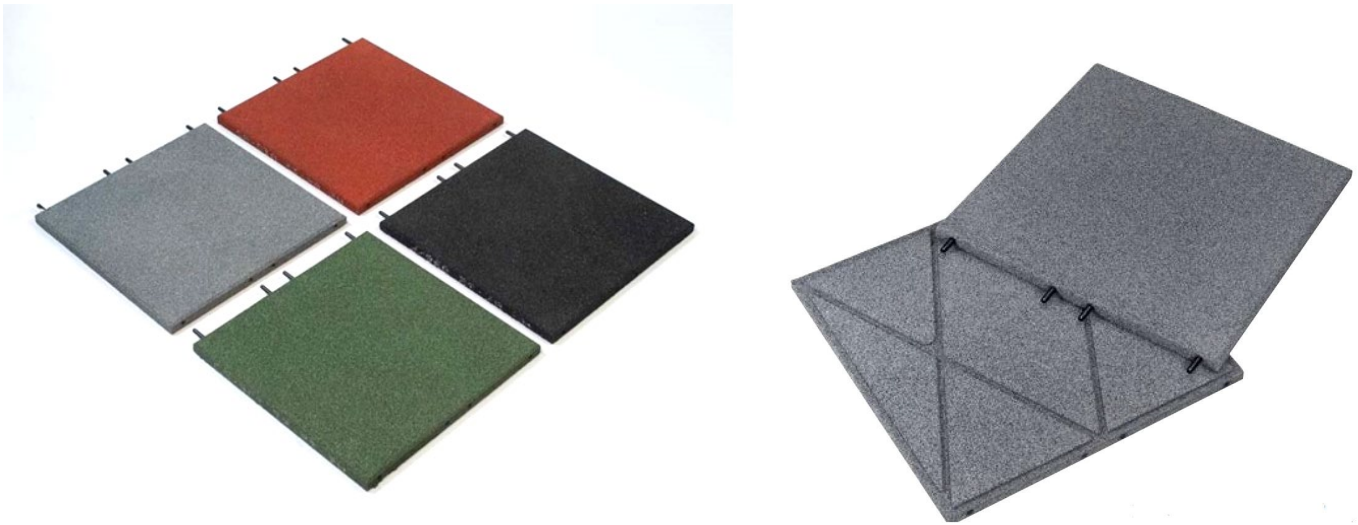
| Warm Roof | | |
|-------------------------------------|---|--|
| PIR-insulation 140 mm | Waterproofing: Bituminous roofing membranes | Waterproofing: TPO or PVC single ply membranes |
| Impact sound insulation improvement | $\Delta L_w = 27$ dB | $\Delta L_w = 32$ dB |
| Layer structure (top to bottom) | <ul style="list-style-type: none"> – KRAITEC STEP – Modified bitumen waterproofing cap sheet – Modified bitumen waterproofing base sheet – PIR thermal insulation (140 mm) – Modified bitumen vapour barrier | <ul style="list-style-type: none"> – KRAITEC STEP PLUS – TPO or PVC single ply waterproofing membrane – Modified bitumen waterproofing base sheet – PIR thermal insulation (140 mm) – Modified bitumen vapour barrier |

| Water permeability (perpendicular to the plane) (DIN 60500-4) | | |
|---|--|----------------------|
| | Coefficient of water permeability k_w , const. at 20°C | Permittivity at 20°C |
| 2 kPa | 0.0039 m/s | 0.12 1/s |

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WARNINGS AND BANS:

| | |
|--|----|
| Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004? | No |
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MANUFACTURERS CONTACT DETAILS:

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|--|---|
| Manufacture location | Germany |
| Legal and trading name of manufacturer | Soprema New Zealand Limited |
| Manufacturer address for service | Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand |
| Manufacturer website | www.soprema.com.au |
| Manufacturer email | info@soprema.com.au |
| Manufacturer phone number | +61 3 9221 6230 |
| Manufacturer NZBN | 9429050312962 |