

# KRAITEC<sup>®</sup> STEP

## Rubber granulate tile for protection of waterproofing membranes

June 2024

### 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.).

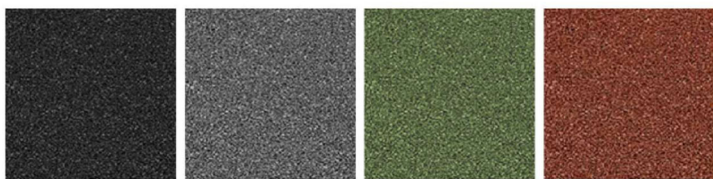
### MATERIAL:

Polyurethane-bonded recycled tyre granulate.

### PRODUCT DESIGN:

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

### COLOUR:



Black, grey, green, red.

### 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 <sup>2</sup>

### 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 <sup>2</sup> 20 % at approx. 38 t/m <sup>2</sup> (test method based on DIN EN ISO 3386-2)
Water permeability	Given by open pores

# KRAITEC<sup>®</sup> STEP

## Rubber granulate tile for protection of waterproofing membranes

June 2024

### 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	am 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 140mm	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"> <li>– KRAITEC STEP</li> <li>– Modified bitumen waterproofing cap sheet</li> <li>– Modified bitumen waterproofing base sheet</li> <li>– PIR thermal insulation (140mm)</li> <li>– Modified bitumen vapour barrier</li> </ul>	<ul style="list-style-type: none"> <li>– KRAITEC STEP PLUS</li> <li>– TPO or PVC single ply waterproofing membrane</li> <li>– Modified bitumen waterproofing base sheet</li> <li>– PIR thermal insulation (140mm)</li> <li>– Modified bitumen vapour barrier</li> </ul>

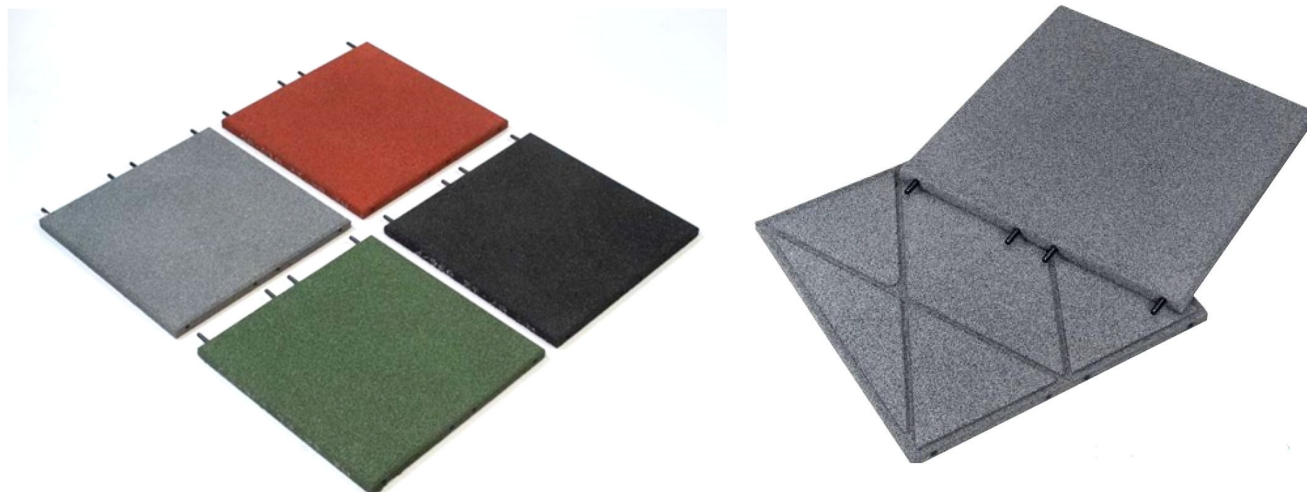
### Water permeability (perpendicular to the plane) (DIN 60500-4)

	Coefficient of water permeability $k_v$ , const. at 20°C	Permittivity at 20°C
2 kPa	0.0039 m/s	0.12 1/s

# KRAITEC<sup>®</sup> STEP

Rubber granulate tile for protection of waterproofing membranes

June 2024



## WARNINGS AND BANS:

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

## MANUFACTURERS CONTACT DETAILS:

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	<a href="http://www.soprema.com.au">www.soprema.com.au</a>
Manufacturer email	<a href="mailto:info@soprema.com.au">info@soprema.com.au</a>
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962