

## PRODUCT INFORMATION – PREMIUM

**Pattern:** Premium has a 'snowflake' pattern. When the tiles are placed together the effect is seamless. The pattern creates very small triangular holes in the surface which allows water to drain, air to circulate and gives a 'suspended floor' feel. They also create grip for the feet. Premium is extra strong for heavy loads.

**Edgetiles:** are required in doorways and along exposed edges to provide a neat finish and prevent a trip hazard. Edgetiles can be attached onto any side of the Premium tile.

**Expansiontiles:** in order to allow for thermal movement, Expansiontiles should be inserted into the floor every 7 to 10 tiles in each direction. Expansiontiles can be used to create patterns, define walkways and to enable an exact fit.

**Corners:** required where 2 outer Edgetiles meet

**Colours:** Black, Graphite, Silver Grey, Dark Blue, Light Blue, Green, Red, Yellow, Orange

**Examples of Uses:** Warehouses, Factories, Garages, Car Showrooms, Exhibition Stands. Tiles can be cut and configured to fit around machinery.

	TactTiles are also available for use in domestic / residential, marine and sports applications	
Material	Environmentally friendly recyclable UV-stabilized polypropylene	
Size	300 x 300 mm	
Thickness	13,5 mm	
Weight per tile	305 g	
Point weight in room temperature +19°C	Weighted area	Pressure
	1 cm <sup>2</sup>	170 kg
	4 cm <sup>2</sup>	650 kg
	1 dm <sup>2</sup>	7000 kg

	Test method	Test method	Units	Rate
Skid resistancy	ZH1/571	DIN 51 130	°	13,7°= R10
Drainage capacity	ZHI/571	DIN 51 130	cm <sup>3</sup> /dm <sup>2</sup>	>10,0= V10
Fire Category	UL 94, DIN 4102		-	HB, B3
Impact resistance +23 °C	ISO 180/1A	ASTM D 746	kJ/m <sup>2</sup>	C15
Stretchability	ISO R 527	ASTM D 638	%	10
Density	ISO 1183	ASTM D 1505	kg / m <sup>3</sup>	902
Water absorption 24 h		ASTM D 170	%	<0,1
Tensile strength	ISO R 527	ASTM D 638	Mpa	26
Flexural modules	ISO 178	ASTM D 790	Mpa	1250
		ASTM D 696-44		

### EXPLANATION OF EXPANSION IN VARIOUS TEMPERATURES

Expansion: 0,15 % per 10 °C

Formula for the size of the expansion:  $(0,0015 \times \text{length of the floor}) \times (\text{number of increased degrees} / 10)$

Formula for the length of the floor after the expansion:  $\text{Earlier length} + \text{Length of the expansion}$

Example	Length of floor	Calculation	Expansion	Length of floor after expansion
0°C-10°C	10 m	$0,0015 \times 10\text{m} = 0,015\text{m}$ $0,015\text{m} \times (10^\circ/10) = 0,015$	1,5 cm	10,015 m
0°C-30°C	10 m	$0,0015 \times 10\text{m} = 0,015\text{m}$ $0,015\text{m} \times (30^\circ/10) = 0,045$	4,5 cm	10,045 m
20°C-40°C	20 m	$0,0015 \times 20\text{m} = 0,030\text{m}$ $0,030\text{m} \times (20^\circ/10) = 0,060$	6,0 cm	20,060m