

PRODUCT INFORMATION - PIAZZA (XL Range)

Pattern: Piazza has a linear pattern. When the tiles are placed together a pleasing diamond effect is observed. Each tile is sectioned from corner to corner, each triangle thus created has lines running towards the centre of the tile. These lines create linear holes in the tile which allows water to drain and air to circulate. They also create grip for the feet.

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

Corners: required where 2 outer Edgetiles meet

Colours: Dark Green, Grass Green, Graphite Grey, Stone Grey, Steel Blue, Terracotta, & Sand.

Examples of Uses: Balconies, Terraces, Play Areas, Changing Rooms, Poolsides, Store Rooms, Cellars, Garages, Car Showrooms, Exhibition Stands.

Material	Environmentally friendly recyclable UV-stabilized polypropylene	
Size	378 x 378 mm	
Thickness	10,1 mm	
Weight per tile	412,2 g	
Point weight in room temperature +19°C	Weighted area 1 cm ² 4 cm ² 1 dm ²	Pressure 130 kg 500 kg 5000 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 ³ /d m ²	>10,0= V10
Fire Category	UL 94, DIN 4102		-	HB, B3
Impact resistance +23 °C	ISO 180/1A	ASTM D 746	kJ/m ²	C15
Stretchability	ISO R 527	ASTM D 638	%	10
Density	ISO 1183	ASTM D 1505	kg / m ³	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
Coefficient of linear expansion		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

For the Piazza tile the expansion-extension is taken up by the flexible connections.