

# TECHNICAL DATA Serie 380

THE BERGO TILE TYPE "ELITE"



Ab 01. Mai 2007 mit EC-Zertifizierung!

Material	Environmentally friendly recyclable UV-stabilized polypropylene	
Size	378 x 378 mm	
Thickness	10,1 mm	
Weight per tile	450 g	
Point weight in room temperature +19 °C	Weighted area	Pressure
	1 cm <sup>2</sup>	85 kg
	4 cm <sup>2</sup>	370 kg
	1 dm <sup>2</sup>	2500 kg
	1 m <sup>2</sup>	250 ton

	Testmethod	Testmethod	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 + EN ISO - Norm	EN ISO 9239-1 EN ISO 11925-2	-	HB, B2 <b>Bfl-s1</b>
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 absorbtion 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 x length of the floor) x (number of increased degrees /10)*

*Formula for the length of the floor after the expansion: Earlier length + Length of the expansion*

Example	Length of floor	Calculation	Expansion	Length of floor after expansion
0°C–10°C	10 m	0,0015 x 10m =0,015m 0,015m x (10°/10) = 0,015	1,5 cm	10,015 m
0°C–30°C	10 m	0,0015 x 10m =0,015m 0,015m x (30°/10) = 0,045	4,5 cm	10,045 m
20°C–40°C	20 m	0,0015 x 20m = 0,030m 0,030m x (20°/10) = 0,060	6,0 cm	20,060m

For Bergo Serie 380, the expansion-extension uptakes in the flexible connections.