

1. Product

Product name : stud tile (noppentegel), thickness 2,6mm and 4,0mm

2. Purpose

Technical requirements defining the quality of the stud tile.

3. Material

Name : stud tile (noppentegel)
 Measurement : tiles, 50 x 50cm / 100 x 100cm
 Thickness : 2,6mm / 4mm
 Colour : various colours
 Dessin : surface en relief
 Back : adhesive bonding

4. Technical data of the product

	Test method	Requirements	Average test results
Dimensional Stability 6h/80°C)	EN 434 (% MAX)	$\leq 0,4 \%$	$\pm 0,3 \%$
Effects of cigarette burns on surface	EN 1399	Method A $\geq$ level 4 Method B $\geq$ level 3	Method A $\geq$ level 4 Method B $\geq$ level 3
Flexibility (mandrel diameter 20mm)	EN 435 Method A	No fissuring	No fissuring
Hardness	ISO 7619 (SHORE A)	≥ 75	85 $\pm$ 5 Shore
Indentation	EN 433 (mm)	$\leq 0,25$	0,15 mm (4,0mm) 0,20 (2,6mm)
Abrasion (load 0,5 kg)	ISO 4649 Method A 5N	≤ 250	140mm_
Colour fastness to artificial light	EN 20105-B02 Procedure 3	On the blue scale ≥ 6 On the grey scale ≥ 3	≥ 6
Classification	EN 685		23-32-41 (2,6mm) 23-34-43 (0,4mm)

6. Additional information

	Test method	Average test results
Effect of a castor chair	EN 425	Suitable if castor wheels type W are used
Fire resistance	D.M. del 26/06/84 CSE RF3 / 77 RF2 / 75 A DIN 4102	Class 1 B 1
Slipping resistance	DIN 51130 (class)	R9
Acoustic insulation	DIN 5210 ISO 140-8 (dB)	8 dB (2,6mm) 13 dB (4,0mm)
Thermal conductivity	DIN 52612 (W/mK)	0,35 W/mK Suitable for underfloor heating system
Electric resistance	EN 1081 (Ohm)	$\geq 10^9$
Resistance to chemical agents	EN 423	No appreciable change
Electrostatic charge when walked upon	EN 1815 (Kv)	≤ 2 antistatic
Toxicity of combustions gases	DIN 53436	Negligible

This flooring is free of PVC, cadmium, formaldehyde, asbestos and toxic halogen substances in case of fire (such as chlorine, fluorine, bromine and iodine). The tiles are not easily inflammable and meet class B1 standards in accordance with DIN 4102, part 1 or equivalent international standards. The gases generated in case of fire are classified, in accordance with DIN 4102, as toxicologically harmless.