

TECHNICAL DATA



Relle

Thickness 30 mm Strength Tiles

TECHNICAL PROPERTIES	TEST METHODS	UNIT OF MEASURE	REQUIREMENTS	VALUES FROM MANUFACTURING CONTROLS
Total thickness	EN ISO 24346	mm	29.85-30.15	30
Thickness of top layer	EN ISO 24340	mm	9.85-10.15	10
Thickness of base layer	EN ISO 24340	mm	19.85-20.15	20
Mass per unit area	EN ISO 23997	g/m ²	/	20000
Tiles dimension	EN:SC 24342	cm	nominal value±0.15%	50*50
Hardness	ISO 7619-1	shore A	≥75	80
Residual indentation (after static loading)	EN ISO 24343-1	mm	≤0.20	in conformity
Dimensional stability	EN ISO 23999	%	≤0.40	in conformity
Abrasion resistance	ISO 4649 method A vertical load 5N	mm ³	≤250	150
Colour fastness to artificial light	ISO 105-B02 method 3	grade	blu scale ≥6 grey scale ≥ 3	in conformity
Effect of castor chair	EN 425		no surface change except dullness	suitable with wheels type W
Classification	EN ISO 10874	Class	/	21-23/31-34/41-43
Fire classification	EN 13501-1	class	/	CLASS C _f -s1 with or without adhesive
Dynamic coefficient of friction	EN 13893		≥0.3	in conformity
Electrostatic Charge	EN 1815	KFV	<2(antistatic)	in conformity
Electrical resistance (R1)	EN 1081	Ohm	/	≥10exp10
Thermal conductivity	EN 12667	W/mk	/	0.2
Thermal resistance	EN 12667	m ² K/W	/	0.09
TECHNICAL PROPERTIES	TEST METHODS	UNIT OF MEASURE	REQUIREMENTS	VALUES FROM MANUFACTURING CONTROLS
Improvement in footfall sound absorption	ISO 10140-3/717-2	dB	/	21
Stain resistance	EN ISO 26987		/	no surface change
Resistance to burning cigarette	EN 1399	CLASS	method A≥4 method B≥3	method A≥4 method B≥3
Slip resistance	EN 13036-4		/	100-115
Shock absorption	EN 14808	%	/	25
Vertical deformation\	EN 14809	mm	/	3
Vertical ball behaviour	EN 12235	%	/	≥90
Rolling load behaviour(1500N)	EN 1569	mg	/	≤0.5(no damage)
Resistance to wear	EN ISO 5470-1 (H18 wheels, 1kg, 1000cycles)	%	/	800
Specular gloss	EN ISO 2813	mm	/	30
Resistance to indentation	EN 1516	mm	/	0.3
Resistance to impact(mass 800g,height 1m)	EN 1517	mm	/	≤ 0,5 (no damage)
Volatile Organic Compounds (VOC)French Decret 201 1-32 1	ISO 16000	class	manifold	CLASS A+
Reduction of bacterial activity	ISO 22196	%	/	>99.9999(E.Coli) >99.99(S.Aureus)
Antibacterial activity	ISO 22196	R	/	6.27(E.Coli) 4.72(S.Aureus)

 RECYCLABILITY	 COMPOSITION	 WELLNESS		 floor score	 RoHS
				 SGS	 SGS

APPLICABLE



Office



Hospital



School



Kindergarten



Store



Restaurant



Beadhouse



Other