

TECHNICAL DATA

MONDOARMOR Thickness 18 mm Strength Tiles

REV. 5 - 11/2020

TECHNICAL PROPERTIES	TEST METHODS	UNIT OF MEASURE	REQUIREMENTS	VALUES FROM MANUFACTURING CONTROLS
Total thickness	EN ISO 24346	mm	17,85 + 18,15	18,0
Thickness of wear layer	EN ISO 24340	mm	1,85 + 2,15	2,0
Mass per unit area	EN ISO 23997	g/m ²	-	20000
Tiles dimension	EN ISO 24342	cm	nominal value ± 0,15 %	91,4x91,4
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	%	≤ 0,4	in conformity
Abrasion resistance	ISO 4649 method A vertical load 5 N	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 _{fl} - s1 with or without adhesive
Dynamic coefficient of friction	EN 13893	-	≥ 0,3	in conformity
Electrostatic Charge	EN 1815	kV	< 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
OPTIONAL 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 (1500 N)	EN 1569	mm	-	≤ 0,5 (no damage)
Resistance to wear	EN ISO 5470-1 (H18 wheels, 1 kg, 1000 cycles)	mg	-	800
Specular gloss	EN ISO 2813	%	-	30
Resistance to indentation	EN 1516	mm	-	0,3
Resistance to impact (mass 800 g; height 1 m)	EN 1517	mm	-	≤ 0,5 (no damage)
Volatile Organic Compounds (VOC) French Decret 2011-321	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)

(*) when tested by means of detergents specifically used for rubber