



# AECOMFORT

## RECYCLED RUBBER RESILIENT MAT FOR THE SPORT SECTOR

Ecological mat meant to be used as basic elastic material for tennis courts and multi sports areas, made up of fine rubber granules coming from the recycling of ELT (end of life tyres) bound by mass-polymerized polyurethanes.

## ACOUSTIC PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE		NORMS	NOTES
			4mm	5mm		
Apparent dynamic rigidity	(s' <sub>i</sub> )	MN/m <sup>3</sup>	66	53	UNI EN 29052-1	Internal laboratory value
Resonance frequency	(f <sub>0</sub> )	Hz	91	82	UNI EN 29052-1	Internal laboratory value

## THERMAL PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	W/mK	0,1226	UNI EN 12667:2002	Cert.n° 025-09-the TR

## PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.	VALUE	TOLERANCES
Rubber density	Kg/m <sup>3</sup>	750	± 7 %
Rubber thickness	mm	4 - 5	± 10 %

DESCRIPTION	M.U.	VALUE	NORMS
Elongation percentage at break	%	41	
Tensile strength	N/mm <sup>2</sup>	0,47	
Heat resistance	°C	Up to + 80	
Cold resistance	°C	Up to -30	
Fire rating		B2	DIN 4102
SHORE A hardness		50	



### CHEMICAL PERFORMANCES

CHARACTERISTIC	PERFORMANCES
Resistance to microbes	Resistant to fungi, insects and microbes attacks
Chemical interactions	Highly resistant to acids and alkaline detergents, retains its characteristics unchanged over time
Electrostatic	Does not accumulate static charge and prevent interaction between materials
Environmental sustainability	100 % recyclable

### DIMENSION AND PACKAGING

SIZE	M.U.	VALUE	
Thickness	mm	4	5
Roll height	m	1	
Roll length	m	12	10
Weight per m <sup>2</sup>	Kg/m <sup>2</sup>	3,00	3,75
Number of rolls per pallet	piece	16	
Total area per pallet	m <sup>2</sup>	192	160
Pallet dimension	cm	100x120x100+10	

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