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## ADI Acoustic 4201



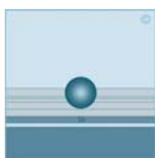
2 mm



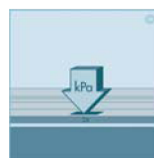
AAA



17 dB



1800 mm



90 kPa



20 kPa



0.054

### Description

ADI Acoustic 4201 is a physically closed-cell polyolefin foam specially developed and designed for use as acoustic underlay material for laminate and parquet flooring.

ADI Acoustic 4201 has outstanding drum sound (low reflecting resp. echoing) and impact sound (transmission) properties. Its excellent compressive creep performance makes it suitable for high static and dynamic loading while in storage or in end-use.

The outstanding shock absorption properties of ADI Acoustic 4201 allows for highest impact resistance classifications of the laminate.

### Application

The 2 mm thick 4201 is very conformable and levels out moderately rough structural floor (prevention of punctual sound bridges).

4201 can be used as separate foam underlay material (accessory lines) or directly integrated and packed with the laminate boards.

The given values for water vapour diffusion ( $s_d$ ) are valid for the foam sheet only and when the butted joints are carefully taped.

### Dimensions, width, length

4201 is delivered from 1.00 to 1.60 m width (trimmed edges). Width tolerance is  $-0/+25$  mm (standard).

4201 is supplied on 4 or 6 inch cores and can be supplied in jumbo rolls up to 2400 mm outer diameter corresponding to a length of 2250 m. Length tolerance is  $-0/+5\%$ .

### Technical Data

Property	Standard	Thickness	Unit	Toler.
Thickness	ISO 1923	2	mm	$\pm 15\%$
Drum sound	internal	AAA	-	
Impact sound*	ISO 140-8 / ISO 717-1	17	dB	
Impact resistance ,large ball' **	EN 13329 / EN 438-2	1800	mm	
Compressive Strength at 0.5 mm deflection	ISO 844/ EN 13163	90	kPa	
Compressive creep (10 years, max. 12/10 %) max. load	EN 1606/ EN 13163	20	kPa	
Thermal resistance @10°C	ISO 8301	0.054	m <sup>2</sup> K/W	
Water vapour diffusion equivalent air layer thickness $s_d$ (23°C, 0-50% rel. hum.)	ISO 1663	30	m	
Water absorption	internal	<1	Vol. %	-

\* under 7 mm DPL laminate, \*\* under 8 mm HPL

### Note

This information is presented to our best knowledge. All test data are average values and should be considered as guideline only.

This product is combustibile and should not be exposed to flame or other sources of ignition.