PROFESSIONAL «maximum» 2 mm

Material:

Physically cross-linked closed cell polyolefin foam, laminated with a polyolefin-foil as water vapour control layer. PROFESSIONAL maximum is manufactured without CFCs and HCFCs and contains neither plasticizers nor heavy metals or other hazardous substances.

Application:

PROFESSIONAL «maximum» underlay is applicable for floating installation under laminate and parquet floorings.

Features

- outstanding damping of walking sound and excellent damping of impact sound
- exceptional compressive strength and dynamic load resistance, which ensures extended durability
- a "heavy" underlay with integrated water vapour control layer which is nevertheless very easy to carry and lay
- a good conformability provides a very good punctual compensation of unevenness of the subfloor

Technical data: **RWS**

(lu	-16	KG	KG	3			24°C		
[%]	[dB]	[kPa 9 ≥ 140	[kPa] 40	70 kPa c ≥ 200.000	[mm] 1,3	[m]	[m² K/W] 0,048	[m] 150	[class]
		Property	r was de general		Unit	Value		Norm	
d: Thickness of the underlay measured at 100 Pa pre-load					mm	2 (±10%)	EN 823 1)		1991 - 1992 - 19
Foa	m colour					silver grey (015)			
RWS: Reflected walking sound • sound reduction compared to reference underlay					%	30	EPLF working draft 021029-5 F1		
IS: Impact sound improvement • measured under 7 mm laminate flooring						20	ISO 140 / 717		
						1	1		

	- countral reduction compared to reference underlay		La company of the com			
IS:	Impact sound improvement • measured under 7 mm laminate flooring	dB	20	ISO 140 / 717		
CS:	Compressive strength tested at 0.5 mm compression under 100 Pa pre-	kPa	≥ 140	EN 826 ¹⁾		
CC:	Compressive creep under long term static load max. thickness loss of 0.5 mm extrapolated to 10	kPa	40	EN 1606 ¹⁾		
DL:	Dynamic load • number of load cycles at max. deformation ≤ 0.5 i • alternating cycles from Omin =100 Pa to Omax =	no. of cycles	≥ 200′000	EN 13793 ¹⁾		
PCv:	Punctual conformability to even out uneveness of	mm	1,3	FprCEN TS 16354		
RLB:	Resistance to impact by large diameter ball to be tested on flooring system (underlay+laminal	m	1,0	EN 13329 Annex F and EN 438 Chapter 21		
TR:	Thermal resistance 2) at 24°C mean temperature	m² K/W	0,048	EN 12667 / EN 12664		
SD: Water vapour diffusion resistance of the underlay 3) • diffusion-equivalent air layer thickness, SD-value			m	150	EN 12667 / EN 12086	
	acc. EN 12086 method A, measured at 23°C, Converted to the second seco	foil-type:		PE150		
	0-50% rel. humidity	foil colour:	-	black		
WA:	A: Water absorption by foam			< 1	DIN 53571	
RTF:	FF: Reaction to fire			Ε _{fl}	Test acc. EN ISO 11925-2	

- All tests are done according to the mentioned standards and the modifications given in document FprCEN TS 16354:2011.
- According to the recommendations of "Bundesverband Flächenheizungen und Flächenkühlungen e.V. (BVF)" and EN 1264-3 this underlay is applicable for underfloor heating systems. The total R-value of the complete floor construction of max. 0,15 m² K/W has to be considered.
- The given value for water vapour diffusion (SD-value) is valid for the underlay only, when the butted click connections are carefully sealed with tape.

 - Chemical resistance:

 against water, most domestic cleaners, solutions of salt, acids, bases

 partly durable against organic solvents and hydrocarbons
- · do not store outdoors, protect from exposure of sunlight Storage conditions:
 - prevent electrostatic discharges, keep away from ignition source, do not smoke!