



Product	Underlay	Product Code	5001300011
---------	----------	--------------	------------

Comfort Red Underfloor Heating Underlay 1.6mm (16.5sqm Roll)

Form	Packaging unit	Rolls per Pallet
Roll	16,5 m ²	48 rolls
Weight	1,23 kg	77,44 kg

Ideal for use over underfloor heating

Production Information

Comfort Red is a XPS (extruded polystyrene) floor underlay, designed for use with “wet” under flooring heating systems and a floating engineered / laminate floor. If using over concrete or similar subfloor a moisture barrier such as builders plastic (heavy gauge) should be used.

Technical Data

Properties		Typical Value		Method
Thickness	T	1,6 mm	± 0,25mm	PN-EN 822:2013
Length	L	15000 mm	± 1%	PN-EN 822:2013
Width	W	1100 mm	± 1%	PN-EN 822:2013
Density	QW	41 kg/m ³	± 20%	PN-EN 1602:2013
Acoustic Properties				
Impact sound	IS	18 dB	± 5%	EN ISO 10140
Relected walking sound	RWS	9%	± 2	EN 16205; CEN/TS 16354
Thermal Properties				
Thermal resistance	R	0,05 m ² K/W	± 10%	EN 12664
TOG		0,50	-	EN 12664
Heat transfer coefficient	λ	0,029 – 0,034 W/(mK)	-	-
Water absorption				
Water absorption after 24 hours		≤ 1 %	-	PN-EN 12087:2000; A1: 2006 metoda 2A
Water absorption after 24 days		≤ 2 %	-	PN-EN 12087:2000; A1: 2006 metoda 2A
Other				
Punctual conformability	PC	1,3 mm	-	PN-EN ISO 868:2005; CEN TS 16354
Drapeability	Good, after unfolding the rolls flat adhesion to the substrate			Visual assessment of mat laid out on the floor
Changes in linear dimensions,%, after 24h at + 40°C, towards:				
length		± 1	-	PN EN 1604:2013
width		± 1		
thickness		± 1,5		
Compressive strength	CS	32,6 kPa	-	PN-EN ISO 826:2013; CEN/TS 16354:2013
Compressive creep resistance	CC	≥ 2 kPa	-	EN 1606
Dynamic load resistance	DL	> 100 000 cykle	-	EN 13793
Resistance to large ball	RLB	≥ 125 cm	± 5%	EN 438-2

Certifications

National Technical Assesment ITB-KOT-2017/0086 edition 1

Hygienic Certificate HK/B/1357/01/2013 // Certificate of participation in the program of the National Institute of Public Health "Product with a certificate"

Test report: Determination of fungi static action by US EPA Pesticide Assessment Guidelines Subdivision G

Highest rating VOC French class "A +"