

MONIFLEX® INSULATION

DATA SHEET

Moniflex is an environmentally friendly product fully complying with REACH and is made of natural cellulose polymers. The product is constructed of crosswise laminated, pleated cellulose foils with a small amount of fire retardant added. Moniflex contains no loose fibers and is therefore easy to handle and cut.

TECHNICAL SPECIFICATIONS

Dimension, panels:	Max. 950 mm x 3000 mm (Tolerances = +/- 1 %)												
Thickness:	10 mm (+/- 2 mm) 20 mm (+/- 2 mm) 30 mm (+/- 2 mm) 40 mm (+/- 3 mm) 50 mm (+/- 3 mm) 60 mm (+/- 3 mm)												
Density/Volume weight:	13 kg/m ³												
Water retention:	< 2%, typical content at 23° C (50% R.H.) Due to its construction, MONIFLEX drains off condensed water and maintains its insulation properties even if affected by high humidity.												
Fire retardant properties:	MONIFLEX is a fire retardant/self-extinguishing material.												
EN 45545-2:2020:	Classification R1: 10-20 mm – HL2 R10: 10-60 mm - HL3												
VOC emission:	Class A+ according to the French regulation.												
Thermal insulation:	0,0541 W/(m*K) at 10 °C (EN 12667, replacing DIN 52612).												
Acoustics:	According to ISO 354:1985 (DIN 52212) and ISO 140:978 <table><thead><tr><th></th><th><u>Absorption</u></th><th><u>Insulation</u></th></tr></thead><tbody><tr><td></td><td>aw</td><td>dB</td></tr><tr><td>MONIFLEX 50 mm</td><td>0,4</td><td>5</td></tr><tr><td>MONIFLEX 60 mm</td><td>0,4</td><td>4</td></tr></tbody></table>		<u>Absorption</u>	<u>Insulation</u>		aw	dB	MONIFLEX 50 mm	0,4	5	MONIFLEX 60 mm	0,4	4
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MONIFLEX 60 mm	0,4	4											
Expected life time:	MONIFLEX has an expected lifetime of 30 years in normal use.												
Handling and storage:	MONIFLEX should be stored in a dry place in the original cardboard boxes on pallets. These instructions are important to protect the MONIFLEX from dust and damage, so that the technical characteristics of the material are completely retained.												