



## MONIFLEX

### Description

Our material meets the railway requirements in accordance with the latest standard PN-EN 45545-2+A1:2024-04.

MONIFLEX consists of transparent insulation sheets. It is the ideal material for any application where moisture and shock resistance is important in combination with a low weight. For this and other reasons, MONIFLEX is widely used in the transport and construction industries. It is most often used in passenger rail vehicles and as insulation used in shipbuilding. In light of current concerns about environmental protection and the use of natural resources, MONIFLEX is the obvious choice for insulating materials.

### Application



### TECHNICAL PARAMETERS:

<b>DENSITY</b>	-	13 kg/m <sup>3</sup>
<b>ACOUSTIC</b>	ISO 354:1985 (DIN 52212) ISO 140:978	Moniflex 50 mm 0,4 aw 5 dB Moniflex 60 mm 0,4 aw 4 dB
<b>WATER RETENTION</b>		<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.
<b>FIRE RETARDANT PROPERTIES</b>		MONIFLEX is a fire retardant/self-extinguishing material
	<b>PN-EN 45545-2+A1:2024-04</b>	<b>R1</b> 10 mm HL2 <b>R10</b> 30 mm HL3
	<b>DIN 5510-2:2009</b>	Flammability S4 (10 mm) S3 (20-60 mm) Dripping ST2 (10-60 mm) Smoke Class SR2 (10-60 mm) Smoke toxicity FED (15) = <0,01(10-60), FED (30) = 0,01 (10-60 mm)
	<b>NF F 16 101/102/STM-S-001 Index C</b>	F1, M1 10-60 mm Smoke and toxicity F1
	<b>UNI CEI 11170-01-02-03</b>	Reaction to fire M1 Class 1B (10-60 mm) UNI 8457 I UNI 9174 Ib

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# Maad

<b>NFPA 130:2010</b>	Approved for Transit and Passenger Rail (10-60 mm) ASTM E662:2009      Optical smoke density Ds 4 min 24,2 (< 100) ASTM E162:2009      Spread of flame Is 1,8 (≤ 25)
<b>PN-K-2512:2000</b>	P2, D1, R1 (10-60 mm)
<b>UIC Code 564-2</b>	A, C, A (10-60 mm)
<b>Russian Federation Certificate of conformity</b>	GOST 30402-96      B2 GOST 12.1.044-89 (p.2.14)      D2 GOST 12.1.044-89 (p.2.16)      T2 GOST 30244-94      G2 GOST 12.1.044-89 (p.4.3)      Hardly combustible

## STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS [mm]	DIMENSIONS OF THE SHEET * [mm]
10, 30	950 x 2300

There is a possibility of cutting to size in accordance with your specifications or drawing.

\*Other thicknesses / dimensions available on customer's request. There is the possibility to order the material in the roll. Effective dimensions guaranteed as ordered.