

Technical data sheets

MATERIAL

Black closed-cell flexible elastomeric foam (FEF) coupled with mineral fibre material with a black exterior finishing.

PRODUCT SPECIFICATION

Thermal insulation material produced in accordance with the European Standard EN 14304. (UNI EN 14304)

PRODUCT RANGE

Non-adhesive and adhesive sheets in rolls in thicknesses from 6 to 50 mm.
Adhesive tapes with a thickness of 3 mm.
Tubes in 1 m lengths, from 13 to 50 mm.

PRODUCT APPLICATION

Thermal insulation of refrigeration, air-conditioning and heating & plumbing services in commercial, industrial and domestic applications also situated in external environments.**

MAIN CHARACTERISTICS

CFC and HCFC-free rubber foam.

TECHNICAL INFORMATION	REFERENCE DATA	TEST STANDARDS
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+110 °C * -50 °C	EN 14706
THERMAL CONDUCTIVITY	Tubes 13-25 mm at 0 °C $\lambda \leq 0,033 \text{ W/m}\cdot\text{K}$ Tapes and sheets at 20 °C $\lambda \leq 0,035 \text{ W/m}\cdot\text{K}$ 3-32 mm at 40 °C $\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$ Tubes 30-50 mm at 0 °C $\lambda \leq 0,036 \text{ W/m}\cdot\text{K}$ at 20 °C $\lambda \leq 0,038 \text{ W/m}\cdot\text{K}$ at 40 °C $\lambda \leq 0,040 \text{ W/m}\cdot\text{K}$ Sheets 40-50 mm at 0 °C $\lambda \leq 0,034 \text{ W/m}\cdot\text{K}$ at 20 °C $\lambda \leq 0,036 \text{ W/m}\cdot\text{K}$ at 40 °C $\lambda \leq 0,038 \text{ W/m}\cdot\text{K}$	EN ISO 8497 - EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	Sheets and tubes thk. 6-50 mm $\mu \geq 10000$	EN 12086
FACTOR μ WATER ABSORPTION	< 0.1 kg/m ²	EN 13472/EN 1609
REACTION TO FIRE	SHEETS - EUROCLASS B-s2,d0 TUBES - EUROCLASS B _L -s1,d0	EN 13501-1
UV RESISTANCE	EXCELLENT	UNI ISO 4892-2
CORROSION RISK	MEETS TEST REQUIREMENTS	DIN 1988 Part 7 - EN 13468

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

TYPE	MINERAL FIBRE MATERIAL
TOTAL THICKNESS	μm approx. 200
WEIGHT	g/m ² approx. 250
COLOUR	BLACK RAL 9005

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*For adhesive tapes and sheets: max. operating temperature 90°C.

Storage of adhesive products: not exceeding one year.

All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

**Please note that Evocell&Mobius insulation material is not designed to operate in direct contact with the transported fluid. For specific requirements, please contact our Technical Department.

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

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