IT-FLEX SYSTEM COVER

Technical data sheet

MATERIAL

Flexible elastomeric foam (FEF) with closed cells, bonded to a multilayer PVC/ Aluminium sheet with UV-protection film.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT RANGE

Non-adhesive and adhesive tubes in lengths and in continuous rolls, in diameters from 15 to 170 mm and thicknesses from 9 to 60 mm.
Non-adhesive and adhesive sheets, in slabs or rolls, in thicknesses from 6 to 60 mm.

PRODUCT APPLICATION

Thermal insulation of components in heating, air conditioning, refrigeration, and industrial systems, including those installed in outdoor environments. *

MAIN CHARACTERISTICS

Flexible and expanded CFC and HCFC-free rubber foam. Does not contain or release dust or fibres.

TECHNICAL INFORMATION	REFERENCE DATA		TEST STANDARDS
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	 + 110 °C - 50 °C		EN 14706 - 14707
THERMAL CONDUCTIVITY λ	Tubes 6-25 mm Tapes and sheets 3-32 mm	at 0 °C λ ≤ 0,033 W/m•K at 20 °C λ ≤ 0,035 W/m•K at 40 °C λ ≤ 0,037 W/m•K	EN ISO 8497 - EN 12667
	Tubes 30-60 mm	at 0 °C λ ≤ 0,036 W/m•K at 20 °C λ ≤ 0,038 W/m•K at 40 °C λ ≤ 0,040 W/m•K	
	Sheets 40-60 mm	at 0 °C λ ≤ 0,034 W/m•K at 20 °C λ ≤ 0,036 W/m•K at 40 °C λ ≤ 0,038 W/m•K	
RESISTANCE TO WATER VAPOUR DIFFUSION μ only on elastomer	Sheets and tubes	μ ≥10000	EN 13469 - EN 12086
REACTION TO FIRE OF THE COMPLETE SYSTEM (ELASTOMER + CLADDING)	EUROCLASS	TUBES C_L - s2, d0 SHEETS C - s3, d0	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS		EN 13468
UV RESISTANCE	GOOD		UNI ISO 4892 - 2
DIMENSIONAL TOLERANCES	In accordance with table 1 European Standard EN 14304		

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*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.
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
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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Adhesive products: storage MAX one year, temperature MAX 90 °C.