

IT-FLEX C1 - C1R - Coil Pre-cut tubes - AD2 OG - AD 2

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF).

PRODUCT RANGE

Self-adhesive and standard tubes in bars and in continuous rolls with diameters from 6 to 170 mm and thickness from 6 to 60 mm. Sheets in panels and rolls, standard and self-adhesive, with thicknesses from 6 to 60 mm.

Self-adhesive tapes with a thickness of 3 mm.

PRODUCT SPECIFICATION

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

PRODUCT APPLICATION

Thermal insulation of components of civil and industrial heating, air-conditioning and refrigeration systems.**

ECOLOGICAL INFORMATION

Flexible and expanded CFC and HCFC-free rubber foam. Does not contain or release dust or fibres. EPD (Environmental Product Declaration). Declaration EPDITALY0094. Validity date 15/09/2023 - 15/09/2028. Code UNCPC 3623.

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 at 0 °C λ ≤ 0,033 W/m•K Tapes and sheets 3-32 mm 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	Sheets and tapes 6-25 mm; Tubes 6-19 mm μ ≥ 10000 Sheets and tapes 30-50 mm; Tubes 25-60 mm μ ≥ 7000	EN 13469 - EN 12086
REACTION TO FIRE USA UK UK SWISS	EUROCLASS { TUBES B ₁ -s2, d0 SHEETS B-s3, d0 SHEETS 60 mm: E TAPES B-s2, d0 UL V0 up to thk. 13 mm CLASS 1 CLASS 0 RF2(CR) PLAQUES - RF2 TUBES	EN 13501 - 1 UL 94 BS 476 : PART 6 - BS 476 : PART 7 AEAI - VKF
SHIPYARDS (MED)	MEETS REQUIREMENTS	Directive 2014/90/UE MED Module D - Module B
CORROSION RISK	MEETS REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING (IT-FLEX C1 R):

TYPE	SCRATCH RESISTANT/UV RESISTANT PE FILM	
COLOUR	WHITE RAL 9010	
WATER VAPOUR DIFFUSION FACTOR μ	≥ 10000	EN ISO 13469
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

*For applications at temperatures lower than those indicated, please consult our Technical Department. For tapes and self-adhesive sheets: maximum operating temperature 90 °C. **Please note: the IT-FLEX C1 insulating material is not designed to operate in direct contact with the conveyed fluid. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. For specific requirements, please contact our Technical Department. The latest issued documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it Storage of self-adhesive products: not exceeding one year. Outdoor applications: C1 elastomer must be protected at the time of installation. (IT-FLEX TCA or polymeric coating VEC.) All standards referenced in this document are intended to be updated to their latest released versions. ULTRA-FRESH is a registered trademark of Thomson Research Associates, Inc. It is the responsibility of the end user to verify the suitability of the product for the intended application, in relation to the specific conditions of use and installation. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.

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