

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

Rev. 04/22

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.

MAIN CHARACTERISTICS

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

PRODUCT SPECIFICATION

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

PRODUCT APPLICATION

Thermal insulation of HVAC, refrigeration systems and industrial applications, also for exterior use (C1R version).

SAFETY AND ENVIRONMENT

EPD (Environmental Product Declaration). Declaration EPDITALY0094. Validity date 24/02/2020 - 24/02/2025. Code UNCPN 3623. Program operator: EPD Italy

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 6-25 mm; Tubes 6-19 mm μ ≥ 10000 Sheets 30-50 mm; Tubes 25-60 mm μ ≥ 7000	EN 13469 - EN 12086
REACTION TO FIRE USA UK UK SUISSE VKF	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 FR2/CR PLAQUES - RF2 TUBES	EN 13501 - 1 BS 476 : PART 6 - BS 476 : PART 7 AEA1
SHIPYARDS (MED)	MEETS REQUIREMENTS	Directive Med 96/98/CE - Module D - Module B
CORROSION RISK	MEETS REQUIREMENTS	EN 13468
OZONE RESISTANCE	EXCELLENT	ISO 7326
UV RESISTANCE	GOOD	UNI ISO 4892 - 2
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
OZONE RESISTANCE	EXCELLENT	ISO 7326
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

* NOTE: for lower temperature applications please contact our technical dept. For self-adhesive tapes and sheets: max. service temp. 90 °C. Documents and certifications are available upon registration on our website: www.evocellmobius.it
Evocell&Mobius S.r.l. reserves the right to modify data contained in this document without any obligation of notice.
Conservation of adhesive products: not greater than one year.
External applications: C1 elastomer must be protected at the time of installation.

All normatives quoted in this document are updated to the latest issued versions.

