

IT-FLEX C1 - C1R - Coil

Technical data sheet

Rev. 02/17

MATERIAL	Closed-cell flexible elastomeric foam (FEF).	
PRODUCT SPECIFICATION	Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.	
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. Tapes with a thickness of 3 mm.	
PRODUCT APPLICATION	Thermal insulation of HVAC, refrigeration systems and industrial applications, also for exterior use (C1R version).	
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		
Maximum temperature of transported fluids	+ 110 °C	EN 14706 - 14707
Minimum temperature of transported fluids	- 45 °C *	
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C \leq 0,036 W/m•K At mean temp. of +40 °C \leq 0,040 W/m•K	EN ISO 8497 - EN 12667
RESISTANCE TO THE VAPOUR WATER DIFFUSION μ	\geq 7000	EN 13469 - EN 120
REACTION TO FIRE	EUROCLASS { TUBES BL, s2, d0 SHEETS B, s3, d0 TAPE B, s2, d0	EN 13501 - 1
UK	CLASS 1	BS 476 : PART 6 - BS 476 : PART 7
UK	CLASS 0	
LOW FLAME SPREAD	MEETS TEST REQUIREMENTS	Directive 96/98/EC - Module D - Module B
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
OZONE RESISTANCE	EXCELLENT	ISO 7325
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	\geq 15,000	EN ISO 12086
OZONE RESISTANCE	EXCELLENT	ISO 7325
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

* NOTE: for lower temperature applications please contact our technical dept.

Documents and certifications are available upon registration on our website: www.evocell.it

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