

MOBIUS TH-C; MOBIUS TH-OP; MOBIUS TH AD2-OG

Type of material: Black closed-cell flexible elastomeric foam (FEF).

Self-adhesive pre-cut pipe sections with thickness from 6 to 50 mm and diameters from 6 to 170mm. Available in three type:

1) With two inner adhesive tape TH-C

Product range: 2) with external adhesive tape made of PVC (thickness 120 μm) TH-OP

3) with external 3 mm elastomeric tape and two inner adhesive tape. TH AD2-OG (also available with PVC tape instead of 3 mm elastomeric tape)

Fields of applications: Thermal insulation of refrigeration, air-conditioning and heating & plumbing services in commercial, industrial and domestic applications.


Dimensional tolerances: In accordance with the European Standard EN 14304.

Environmental information: CFC and HCFC-free flexible and expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero). Dust and fibers-free.

Additional information: Self-adhesive material: the self-adhesive coating is based on modified acrylate reinforced with mesh structure. Protection liner made of polyethylene. Traces of silicon can be found on the foil protecting the self-adhesive coating.

Storage conditions/shelf life: Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Does not expose the material to heat or direct sunlight before installing. Self-adhesive products should not be kept in storage for more than one year.

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
Operating temperature range*	-45 °C +110 °C	EN 14707
Thermal conductivity λ At a mean temperature of 0 °C At a mean temperature of 40 °C	Thk. $\leq 19\text{mm}$: $\leq 0,033 \text{ W/m}^{\circ}\text{k}$ Thk. $> 19\text{mm}$: $\leq 0,035 \text{ W/m}^{\circ}\text{k}$ Thk. $\leq 19\text{mm}$: $\leq 0,037 \text{ W/m}^{\circ}\text{k}$ Thk. $> 19\text{mm}$: $\leq 0,039 \text{ W/m}^{\circ}\text{k}$	EN ISO 8497
Water vapour diffusion resistance factor (μ)	Thk. 6-19 mm: $\mu \geq 10000$ Thk. 25-50 mm: $\mu \geq 7000$	EN 13469
Water absorption	$< 0,1 \text{ kg/m}^2$	EN 13472
Fire performance European standard	$B_1-s2,d0$	EN 13501-1
Corrosion risk	Trace quantities of water-soluble chloride ions and pH-value CL500 ($\leq \text{ppm}$) /pH 7,0	EN 13486

- Please note: for applications at lower temperatures, please contact our technical department
- Please note that MOBIUS TH material is not designed to come into direct contact with the fluid being transported
- Marking  System 1 in accordance with Product Standard EN 14304.
- Certificate of Consistent Performance issued by CSI S.p.A. - Bollate, IT-20021.
- For outdoor applications, MOBIUS TH must be adequately protected with an aluminium coating or polymeric paint.
- All standards referred to in this document are to be understood as being up to date with the latest version published.
- EVOCELL&MOBIUS S.r.l. reserves the right to amend the above information without prior notice.
- It is the end user's responsibility to verify that the product is suitable for its intended use, taking into account the specific conditions of use and installation.