

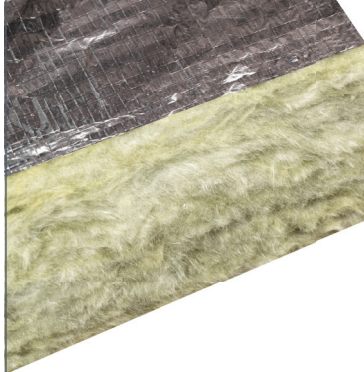
MA 230

DOP 3

MW - EN 13162 - T1 - WS



TERMOLAN
ISOLAMENTOS TERMO-ACÚSTICOS, S.A.



Protection against fire



Thermal insulation



Acoustical insulation

DEFINITION:

Flexible rolls (25 / 30 kg/m³) of uniform thickness made of stone wool fibres bonded with synthetic binder, faced with aluminium.

APPLICATIONS:

Multiple applications as thermal and / or acoustic insulation with vapour barrier.

BENEFITS:

- Easy and quick application;
- Easy adaptation to structural elements;
- Providing good thermal insulation;
- Acoustical insulation improvement;
- Fire safety;
- Excellent water behaviour;
- Inert product respecting the environment (CFC and HCFC free).

PRESENTATION:

Flexible rolls. Options:

THICKNESS (mm) [NP EN 823]	DIMENSIONS (mm) [NP EN 822]
60	8000×1200
80	6000×1200
100	4500×1200

Tolerances:

THICKNESS (CLASS T1): -5 % OR -5 mm ^{a)} TO + Excess permitted

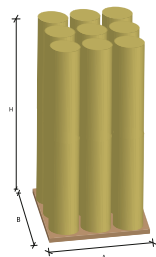
LENGTH: ±2 %

WIDTH: ±1.5 %

^{a)} Is valid the greatest numerical tolerance

PACKAGING:

Rolls packed in retractile plastic.
Geometry (A×B×H):



PHYSICAL PROPERTIES OF MATERIALS

THERMAL RESISTANCE, R_D

EN 12667
EN 12939

ESPESSOR (mm)	60	80	100
R_D (m ² .K/W)	1.60	2.15	2.70

THERMAL CONDUCTIVITY, λ_D

EN 12667
EN 12939

Declared value: $\lambda_D = 0.037$ W/m.K

FIRE REACTION

EN 13501-1
ISO 1182

Incombustible - **EUROCLASS A1**

WATER ABSORPTION

NP EN 1609

$WS \leq 1.00$ kg/m²

WATER VAPOUR DIFFUSION FACTOR

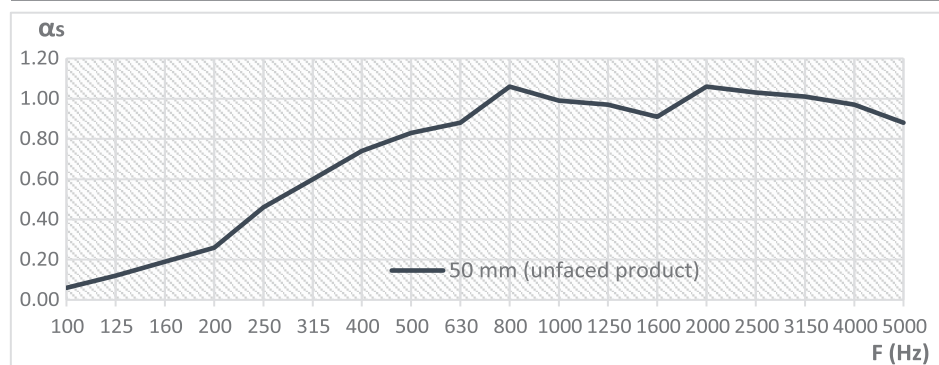
EN 12086

$\mu = 1$

ACOUSTICAL ABSORPTION COEFFICIENT, α_s

EN ISO 354

ESPESSOR 50 mm	F (Hz)	100	125	160	200	250	315	400	500	630
	α_s	0.06	0.12	0.19	0.26	0.46	0.60	0.74	0.83	0.88
	F (Hz)	800	1000	1250	1600	2000	2500	3150	4000	5000
	α_s	1.06	0.99	0.97	0.91	1.06	1.03	1.01	0.97	0.88



EQUIVALENT ABSORPTION COEFFICIENT, α_w

EN ISO 11654

$\alpha_w = 0.54$ (MH) CLASS D

OTHER PROPERTIES

WATER VAPOUR PERMEABILITY [EN ISO 12572] 0.05 g/m²/24h (depending on the aluminium)

DIMENSIONAL STABILITY, $\Delta\epsilon$ [NP EN 1604] 23 °C / 90% HR: the relative deviation (length and width) does not exceed 0.0%

AIR FLOW RESISTIVITY, A_{Fr} [EN 29053] > 5 kPa.s/m² (unfaced product)

