

RECoat

DOP 35

MW - EN 13162 - T5 - WS

RI
SE

Research Institutes
of Sweden



TERMOLAN

ISOLAMENTOS TERMO-ACÚSTICOS, S.A.



Protection against fire



Thermal insulation



Acoustical insulation

DEFINITION:

Rigid slabs of uniform thickness and high density made of stone wool crimped fibres bonded with synthetic binder, without facing.

APPLICATIONS:

Incombustible slabs specially designed for external thermal and acoustic insulation composite systems (ETICS).

BENEFITS:

- Easy and quick application;
- High insulation performances;
- Excellent mechanical behaviour:
 - To accidental mechanical actions;
 - Immune to contractions and expansions;
 - High tensile strenght;
- Fire safety;
- Excellent water behaviour;
- Decreased exposure to vandalism acts;
- Inert product respecting the environment (CFC and HCFC free).

PRESENTATION:

Slabs. Options of presentation:

THICKNESS (mm) [NP EN 823]	DIMENSIONS (mm) [NP EN 822]
30 to 50	1200×600

Tolerances:

THICKNESS (CLASS T5): -1 % through 1 mm ^{a)} at +3 mm

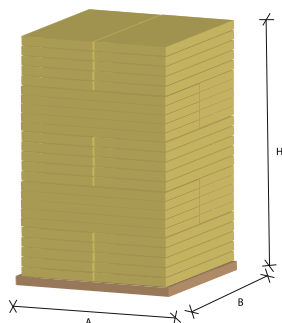
LENGTH: ±2 %

WIDTH: ±1.5 %

^{a)} Is valid the greatest numerical tolerance

PACKAGING:

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



PHYSICAL PROPERTIES OF MATERIALS

THERMAL RESISTANCE, R_D

EN 12667
EN 12939

THICKNESS (mm)	30	40	50
R_D (m ² .K/W)	0.80	1.05	1.35

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

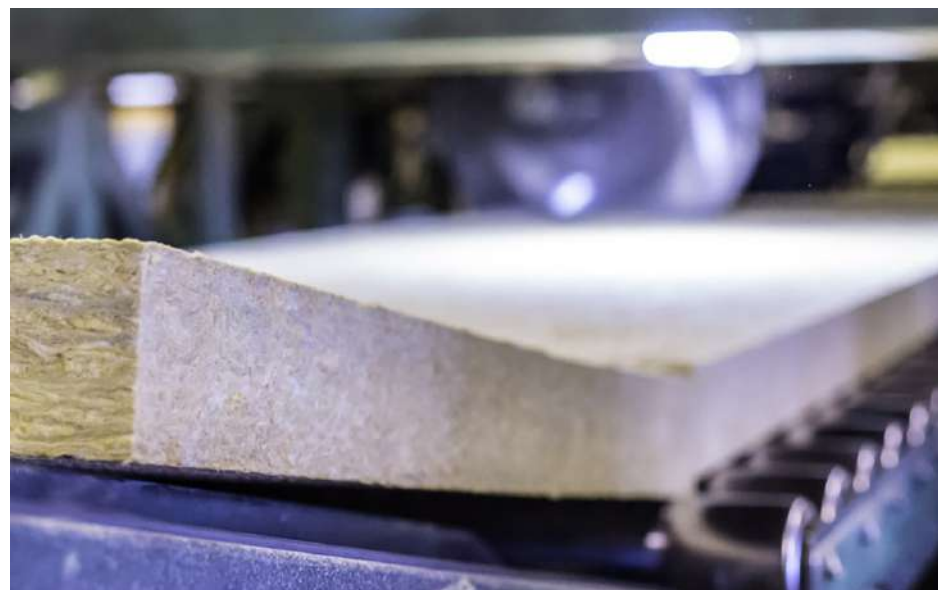
NP EN 1609

$WS \leq 1.00$ kg/m²

WATER VAPOUR DIFFUSION FACTOR

EN 12086

$\mu = 1.30$



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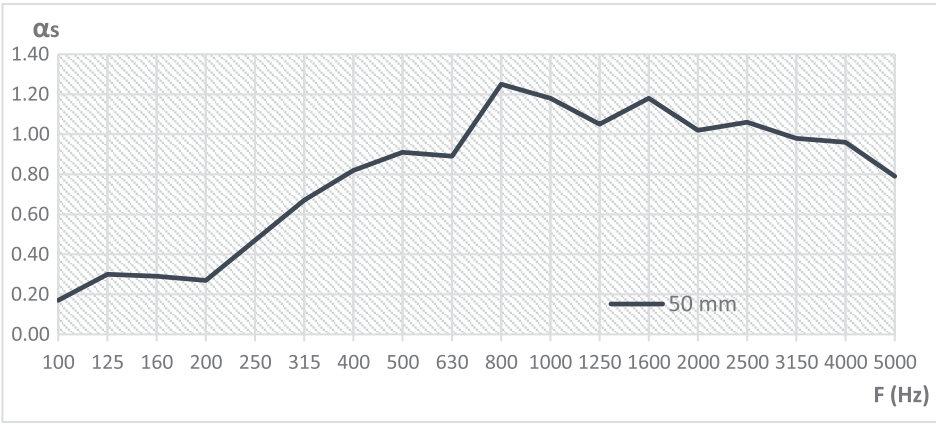
www.termolan.pt/en | www.rocterm.com | termolan@termolan.pt

PHYSICAL PROPERTIES OF MATERIALS

ACOUSTICAL ABSORPTION COEFFICIENT, α_s

EN ISO 354

THICKNESS 50 mm	F (Hz)	100	125	160	200	250	315	400	500	630
	α_s	0.17	0.30	0.29	0.27	0.47	0.67	0.82	0.91	0.89
	F (Hz)	800	1000	1250	1600	2000	2500	3150	4000	5000
	α_s	1.25	1.18	1.05	1.18	1.02	1.06	0.98	0.96	0.79



EQUIVALENT ABSORPTION COEFFICIENT, α_w

EN ISO 11654

$\alpha_w = 0.75$ (MH) CLASS C

OTHER PROPERTIES

SQUARENESS [NP EN 824]	Deviation lenght / width < 5mm/m
FLATNESS [NP EN 825]	Deviation ≤ 6 mm
DIMENSIONAL STABILITY, $\Delta\epsilon$ [NP EN 1604]	23 °C / 90% HR: the relative deviation (length and width) don't exceed 0.0%
TENSILE STRENGHT PERPENDICULAR TO FACES [NP EN 1607]	≥ 10 kPa
COMPRESSIVE STRENGHT, σ_{10} [NP EN 826]	≥ 40 kPa

DETAILS OF APPLICATION

