

COBERLAN**C C SOUDABLE**

DOP 31

DOP 32

MW - EN 13162 - T5 - CS(10)70 - PL(5)550 - WS

**TERMOLAN**

ISOLAMENTOS TERMO-ACÚSTICOS, S.A.

DEFINITION:

Rigid and high density slabs of uniform thickness made of stone wool crimped fibres bonded with synthetic binder, without facing (C) or impregnated with bitumen (C SOUDABLE).

APPLICATIONS:

Thermal and acoustic insulation solutions recommended for flat roofs (steel decking and concrete) specially designed to function as a waterproofing support.

BENEFITS:

- Easy and quick application;
- High insulation performances;
- Excellent mechanical behaviour:
 - High compressive traction strength resistance;
 - Very good perpendicular traction strength behaviour;
 - High resistance to rupture (excellent support for steel profiles with big gaps);
- Fire safety;
- Excellent water behaviour;
- Inert product respecting the environment (CFC and HCFC free).

PRESENTATION:

Slabs. Options:

THICKNESS (mm) [NP EN 823]	DIMENSIONS (mm) [NP EN 822]
60 to 140	1200×1000

Tolerances:THICKNESS (CLASS T5): -1 % OR -1 mm ^{a)} TO +3 mm

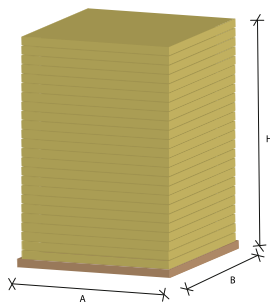
LENGTH: ±2 %

WIDTH: ±1.5 %

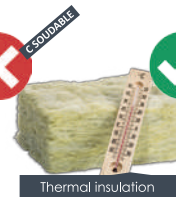
^{a)} Is valid the greatest numerical tolerance**PACKAGING:**

Retractable plastic packs under pallets.

Geometry (A×B×H):

COMMISSION CHARGÉE
DE FORMULER
LES AVIS TECHNIQUES

Protection against fire



Thermal insulation



Acoustical insulation

PHYSICAL PROPERTIES OF MATERIALS

THERMAL RESISTANCE, R_D

EN 12667
EN 12939

THICKNESS (mm)	60	65	70	75	80	85	90	95
R_D (m ² .K/W)	1.50	1.65	1.75	1.90	2.05	2.15	2.30	2.40
THICKNESS (mm)	100	105	110	115	120	125	130	135
R_D (m ² .K/W)	2.55	2.65	2.80	2.90	3.05	3.20	3.30	3.45
THICKNESS (mm)	140							
R_D (m ² .K/W)	3.55							

THERMAL CONDUCTIVITY, λ_D

EN 12667
EN 12939Declared value: $\lambda_D = 0.039$ W/m.K

FIRE REACTION

EN 13501-1
ISO 1182**COBERLAN C** Incombustible - **EUROCLASS A1****COBERLAN C SOUDABLE** Indeterminate

WATER ABSORPTION

NP EN 1609

 $WS \leq 0.50$ kg/m²

WATER VAPOUR DIFFUSION FACTOR

EN 12086

 $\mu = 1.30$ **TERMOLAN**

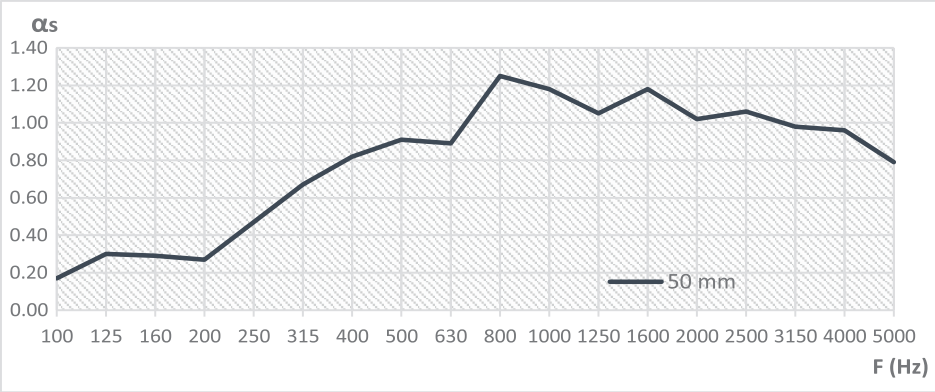
www.termolan.pt/en | www.rocterm.com | termolan@termolan.pt

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

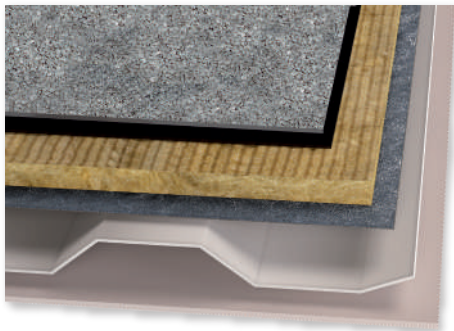
$\alpha_w = 0.75$ (MH) CLASS C

OTHER PROPERTIES

SQUARENESS [NP EN 824]	Deviation length / width < 3 mm/panel
FLATNESS [NP EN 825]	Deviation ≤ 6 mm
DIMENSIONAL STABILITY, $\Delta\epsilon$ [NP EN 1604]	23 °C / 90% HR: the relative deviation (length and width) doesn't exceed 0.0%
TENSILE STRENGTH PERPENDICULAR TO FACES [NP EN 1607]	≥ 15 kPa
COMPRESSIVE STRENGTH, σ_{10} [NP EN 826]	≥ 70 kPa 
POINT LOAD [EN 12430]	≥ 550 N

DETAILS OF APPLICATION

COBERLAN C



COBERLAN C SOUDABLE

