

OTHER CHARACTERISTICS AND PERFORMANCE

- Overall density - ρ [kg/m³]
EN1602 Board average value
35 ± 1,5
- Specific heat - Cp [J/kg° K]
Average value
1464
- Compressive stress at 2% deformation - σ_2 [kg/m²]
EN 826
> 5000
- Compressive Creep - ϵ_d [%]
EN 1606
< 1.5 d = 200 mm [CC(1.5/1,0/50)25] CE Designation code
- Pull-through resistance - [N]
EN 16382
> 750
- Safety factor Pull Through - γ_m
EN 13165
1,5
- Shear strength [kPa]
EN 12090
109
- Shear modulus [kPa]
EN 12090
1656
- Water vapour resistance [kPa]
EN 12086
4,2 - 8,0
- Dimensional stability [% Relative changes]
EN 1604
48 h, 70° C
< 1
- Dimensional stability [% Relative changes]
EN 1603
28 days, 23° C and 50 % R.H.
< 0,01
- Weight percentage of recycled material - [%]
Insulation foam
> 4

ADDITIONAL REPORTS AND CERTIFICATION

- Management System Certification:
 - UNI EN ISO 9001:2015 quality management system,
 - UNI EN ISO 14001:2015 environmental management system,
 - OHSAS 18001:2007 occupational health and safety management system
- European technical assessment EOTA - EAD 040083-00-0404 ETICS :
 - ETA 09/0060
 - ETA 10/0027
 - ETA 12/0377
 - ETA 13/0320
 - ETA 13/0871
- Environmental Product Declaration (EPD), by the Third Party Liability
ISO 14025 and EN 15804
- Acoustic isolation of wall - R_w [dB]
UNI EN ISO 140-3, UNI EN ISO 717-1
52
see "Isolamento Acustico" technical notebook on www.stiferite.com
- Reaction to fire - continuous smouldering combustion
EN 16733
No continuous smouldering combustion
- Release of volatile organic compounds
UNI EN ISO 16000
A French class



NOTES

■ Temperature stability

Stiferite panels can be used in a continuous temperature range of -40° C to +110° C. For periods of time they can withstand temperatures up to + 200° C, or equivalent to the softening temperature of bitumen, without any particular problems. Long exposures at temperatures above + 110° C may cause deformations to the foam or coatings, but do not cause sublimation or melting.

■ Aspect

Any small non-adhesion areas between the facers and the foam or holes originate from the production process and they do not in any way affect the physical-mechanical properties of the panels. To ensure proper adhesion to coating and adhesives, it is advisable to remove small areas of non-adhesion between facers and foam. A prolonged exposure of polyurethane foam to UV rays can cause surface oxidation, the phenomenon does not affect the basic characteristics and performance of the panel.

■ Packaging & Storage

STIFERITE panels of standard sizes are normally packed with PE, in closed packages with CE mark label. Store the packages raised from the ground. For long periods, store the packages in wet area.

■ Warning

The data shown in this sheet are binding for the features and performances provided by the CE marking. Other features and additional information may be modified even if no specific signal is available.

■ Other notes

To obtain technical data not covered in this Technical Data Sheet, contact the Stiferite Technical Office