



AMORIM

Amorim Isolamentos, S.A.

FISA TEHNICA MD FACADE



DESCRIERE

Placile din Pluta Expandata MDFACADE, produs inovativ al AMORIM ISOLAMENTOS, sunt recomandate pentru aplicatii exterioare si au ca proiect de referinta fatada Pavilionului Expo 2000 al Portugaliei in Hannover - Arhitect Alvaro Siza si Souto Moura - amplasat in Coimbra pana in 2002 fara sa prezinte vreo anomalie aparenta... Exista multe alte proiecte de referinta in Portugalia, precum si in alte tari.

Aceasta istorie, desi recenta, ne permite sa dam asigurari legate de faptul ca durabilitatea sa, expusa ca material aparent, depaseste 10 ani si, la fel ca in alte aplicatii, materialul isi pastreaza caracteristicile tehnice pentru mai mult de 50 ani.

SPECIFICATII TEHNICE

Densitate: 140 la 160 kg/m³
Conductivitate termica: $\lambda = 0,043 \text{ W/m}^\circ\text{C}$
Rezistenta la compresiune la 10%: 220KPa
Absorbtiia apei la scufundare partiala:
0,17kg/m²
Reactia la foc: Euroclasa E

SPECIFICATII PRODUSE

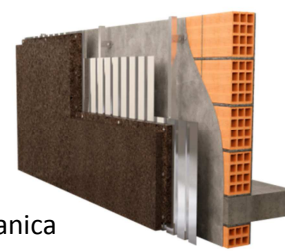
Dimensiuni placa 1000x500mm
Grosime pana la 240mm

AVANTAJE

Izolator termic si fonic excelent
Comportament bun intr-un interval larg de temperaturi (-180°C to 120°C)
100% proces industrial natural fara aditivi
100% material natural, sustenabil, reutilizabil si reciclabil
CO₂ Sink (CARBON NEGATIVE)
Nivel scazut de energie consumata



Adeziv



Fixare Mecanica

Fixarea placilor, in functie de elementul de structura, se poate face mecanic sau cu adeziv
Pentru mai multe detalii va rugam sa ne contactati.



TeCons

Instituto de Investigação e Desenvolvimento
Tecnológico em Ciências da Construção



UNIVERSIDADE DE COIMBRA

RESULTS SUMMARY REPORT

- UME036/14 -

Based in the reports: Thermal conductivity – HIG084/10 to HIG088/10; Compression resistance at 10% deformation – HIG071/11 and HIG072/11; Water absorption by partial immersion - 06/2013 performed by Amorim Isolamentos, S.A. Date: 24/04/2014

Test Owner: Amorim Isolamentos, S.A.
Address: Rua da Corticeira, nº 66, 4535-173 Mozelos VFR - Portugal
Contact name: Carlos Manuel
Tel.: +351 22 741 9100 e-mail: cmanuel.aleol@amorim.com

Tested specimen:

It was submitted for thermal conductivity tests, 5 specimens with the internal ITeCons references HIG020A/10 to HIG024A/10; To compression resistance at 10% deformation tests, 6 specimens with the internal ITeCons references HIG096A/11 to HIG100A/11; To water absorption by partial immersion tests, 1 specimens with the internal references Amorim Isolamentos, A1 to A4. The product had the following customer reference: Special MD Façades (Expanded Insulation Cork).

Performed tests and results:

The tests performed to the Special MD Façades, the results were the following:

Test	Results
Apparent Density (from the thermal conductivity reports)	156 Kg/m ³
Thermal conductivity	0,043 W/(m.K)
Compression resistance at 10% deformation	223 kPa
Water absorption by partial immersion	0,17 kg/m ²



Note: This report is not a replacement for the individual test reports which served as its basis. For a complete analysis and interpretation of the results see individual test reports.

Report author: Samuel Mendes

Technical supervisor: Nuno Simões
(Nuno Simões, Technical and Scientific Supervisor)

Administration: Carlos Manuel



UME036/14

This report may not be reproduced, except in complete, without the written consent of ITeCons.

Mod. ITeCons 01/01/10 01.1ng



TeCons - Rua Pedro Hispano, Pólo 1 - da Universidade de Coimbra - 3090-289 Coimbra

NIPC: 507 487 609 - T: +351 239 79 98 89 - F: +351 239 79 88 88 - www.tecons.ucp.br - e-mail: tecons@tecons.ucp.br

Pág. 4/1

UNIDADE DE DISTRIBUIÇÃO:
Rua da Corticeira, 66
4535-173 MOZELOS VFR – PORTUGAL
Telef: +351 22 741 9100
Fax: +351 22 741 9101
Email: geral.aisol@amorim.com

UNIDADE INDUSTRIAL DE SILVES:
Vale de Lama – Apartado 27
8300-999 SILVES – PORTUGAL
Telef: +351 282 440 720
Fax: +351 282 440 721

UNIDADE INDUSTRIAL DE VENDAS NOVAS - SEDE:
Estrada de Lavre, Km 6 – Apartado 7
7084-909 VENDAS NOVAS – PORTUGAL
Telef: +351 265 809 220
Fax: +351 265 809 221

Capital Social: EUR 100.000,00
Registo na C.R.C.P. de Vendas Novas
NIF Nº PT 502 863 145

