AMORIM

MARKET TIMBERS
ESTABLISHED 1947

MD FACADE DATA SHEET

DESCRIPTION

MDFACADE expanded insulation cork, innovation product of AMORIM ISOLAMENTOS, is recommended for exterior applications and has as reference project the main facade of Portugal Pavilion Expo 2000 in Hannover – Architects Álvaro Siza Vieira and Souto Moura – located in Coimbra since 2002 without any apparent anomaly...There are many references in Portugal and abroad.

This history, although recent, allows us to ensure that its durability when exposed exceeds 10 years as in other applications there is material without loss of properties with more than 50 years.

TECHNICAL SPECIFICATIONS

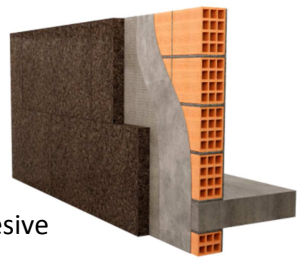
Density: 140 to 160 kg/m3
Thermal conductivity: λ = 0,043 W/m°C
Compression resistance at 10%: 220KPa
Water absorption by partial immersion: 0,17kg/m2
Fire reaction: Euroclasse E

PRODUCT LINES

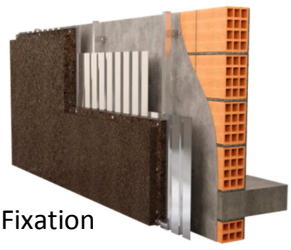
Board Dimensions 1000x500mm
Thickness up to 240mm

ADVANTAGES

Excellent thermal and acoustic insulation
Great behaviour in large temperature range (-180°C to 120°C)
100% natural Industrial process without any additives
Fully recyclable
CO2 Sink (CARBON NEGATIVE)
Low embodied energy



Adhesive



Mechanical Fixation

Its fixation, depending on the structural element, should be mechanical (screw) or adhesive. For more information contact us.

MARKET TIMBERS | 471 SOMERVILLE ROAD BROOKLYN 3012 VIC
P: 03 9314 9999 | E: SALES@MARKETTIMBERS.COM

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.
Adress: Rua da Corticeira, nº 66. 4535-173 Mozelos VFR - Portugal
Contact name: Carlos Manuel
Tel.: +351 22 741 9100 **e-mail: cmanuel.aleal@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 HIG095A/11 to HIG100A/11; To water absorption by partial immersion tests, 4 specimens with the internal references Amorim Isolamentos, A1 to A4. The product had the following costumer 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/m³**
Thermal conductivity	**0,043 W/(m.K)**
Compression resistance at 10% deformation	**223 kPa**
Water absorption by partial immersion	**0,17 kg/m²**

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: _____

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

Administration: _____

UME036/14

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

ITeCons - Rua Pedro Hispano, Polo II da Universidade de Coimbra, 3030-289 Coimbra
NIPC: 507 487 069 - T. +351 239 79 99 49 - F. +351 239 79 99 55 - www.itecons.uc.pt - e-mail: itecons@itecons.uc.pt

MARKET TIMBERS | 471 SOMERVILLE ROAD BROOKLYN 3012 VIC
P: 03 9314 9999 | E: SALES@MARKETTIMBERS.COM