

Notified body No. 2812

Certificate of constancy of performance

2812-CPR-BA0136

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

AFICO FIBERGLASS BOARD INSULATION

Intended use: Thermal Insulation

Essential characteristics	Performance	Harmonised technical specification
Reaction to Fire	A1 (Classification Report Nos: 173610, 429232, 429233, 429234)	EN 13162: 2012 + A1: 2015
Vapour Resistance	NPD	
Release of dangerous substances to the indoor environment		
Thermal Resistance		
Thermal Conductivity		

NPD= No performance determined

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produced for

Arabian Fiberglass Insulation Company Limited
150th Street,
2nd Industrial City
PO Box 1289
Dammam 31431
Saudi Arabia

and produced in the manufacturing plant

AB/002

This is coded format and the information is held by the Notified Body

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 13162: 2012 + A1: 2015

Under System 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **21/09/2020** and revised on **05/02/2021** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the notified product certification body.

Valid to: **01/07/2023**

ERO Project Reference: **ERO032646P61**



Paul Duggan
Certification Manager



Product specification

General description	Fiberglass insulation
Product reference	"Board Insulation, Un-faced - 24 – 120 kg/m ³ "
Composition details	Glass wool fibres bound with resin and oil additives for water repellency
Name of manufacturer	Arabian Fiberglass Insulation Co. Ltd.
Thickness	15 - 150mm
Density	24kg/m ³ – 120kg/m ³
Colour	"Yellow"
Generic type of resin	Phenol Formaldehyde Resin
Product reference of resin	"PF-136"
Amount of resin	8.5±5 %
Generic type of oil	Oil Emulsion
Product reference of oil	"Emulsion 347"
Amount of oil	0.21 %
Flame retardant details	See Note 1 below
Brief description of manufacturing process	The raw materials (broken glass, silica sand etc.) are mixed together and then fed into the melter. The mix is dropped and then melted at 1350 °C. The glass exits through the bushing that controls the flow rate of the glass. The melted glass is dropped into a "fiberizer" (rotating at 2400rpm/min.) Centrifugal force of the spinner drives the glass through tiny side holes of the spinner to make the fibreglass. The fibre glass is sprayed with water and binder prior to distribution onto the forming chain.

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.