

---

**CERTIFICATE OF APPROVAL**  
**No ME 5086**

---

**SPANOLUX SPRL**

**Rue de la foret, 2, B6690 Vielsalm, Belgium**  
**Tel: +32 80292748**

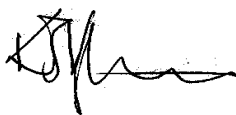
Have been assessed against the requirements of the test standard(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

---

**CERTIFIED PRODUCT**  
**FIRAX HYDRO PURE**  
**MDF board material 9 – 30mm**  
**thickness**

**TEST STANDARD**  
**ASTM 84**  
**Class 1 or Class A**

**Signed and sealed for and on behalf of Exova (UK) Limited trading as**  
**Warrington Certification**



**Sir Ken Knight**  
**Chairman**  
**Impartiality Committee**



**Paul Duggan**  
**Certification Manager**



Issued: 20<sup>th</sup> March 2017  
Valid to: 19<sup>th</sup> March 2022

Page 1 of 3



**CERTIFICATE No ME 5086**  
**SPANOLUX SPRL**

**Approved Manufacturing Location**

Spanolux SPRL  
Rue de la foret 2  
B6690 Vielsalm  
Belgium

**Certification Evidence**

1. This certificate relates to the performance of the FIRAX HYDRO PURE MDF board material when subjected to the conditions of the test specified in ASTM E 84 "Standard Method of Test for Surface Burning Characteristic of Building Materials"
2. The certification is issued on the basis of:
  - i) Initial type testing of a sampled test specimen
  - ii) Inspection and surveillance of factory production control
  - iii) Certification of Quality Management Systems to ISO 9001:2008
3. The product is flame retardant grade medium density fibreboard. The method, designated as ASTM E 84-15a "Standard Method of Test for Surface Burning Characteristics of Building Materials", is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results are expressed in terms of Flame Spread Index (FSI) and Smoke Developed (SD).
4. The results of the tests performed on 18<sup>th</sup> May 2016 on test specimens of FIRAX HYDRO PURE MDF to determine the fire propagation characteristics in accordance with ASTM E 84 are reported in Exova Warringtonfire North America 16-002-301(E) and Exova Warringtonfire North America 16-002-301(B).
5. The test results are:

Sample	Flame Spread Index (FSI)	Smoke Developed (SD)
FIRAX HYDRO PURE, 9mm	10	45
FIRAX HYDRO PURE, 30mm	10	30

**Authorities having jurisdiction usually refer to these categories:**

	<u>Flame Spread Index</u>	<u>Smoke Development</u>
Class 1 or A	0 – 25	450 maximum
Class 2 or B	26 – 75	450 maximum
Class 3 or C	76 – 200	450 maximum

6. The test results are only valid for the tested product composition as described in the test report.

**When tested in accordance with ASTM E84-15a the MDF board material FIREX HYDRO PURE meets the criteria for a classification Class A**



**CERTIFICATE No ME 5086**  
**SPANOLUX SPRL**

**Product Specification:**

Generic Type	Flame Retardant grade Medium Density Fibreboard
Product Reference	FIRAX HYDRO PURE
Thickness	9 – 30 mm
Trade name of adhesive	See note 1 below
Name of manufacturer/supplier	Spanolux SPRL
Trade name of flame retardant	Firax Hydro Pure
Generic type of flame retardant	See note 1 below
Amount of flame retardant	See note 1 below
Brief description of manufacturing process	The wood chips are ground into fibre under steam pressure. Then the liquid resin, flame retardant chemical and wax sizing agent are added, dried and the fibre is formed into a mat. This is then pressed under heat and pressure to form the MDF panel.

Note 1: The sponsor was unable/unwilling to provide this information.

Page 3 of 3 Signed

Issued: 20<sup>th</sup> March 2017  
Valid to: 19<sup>th</sup> March 2022