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European Technical Assessment

**ETA 23/0552
of 18/08/2023**

General Part

**Technical Assessment Body issuing the European Technical Assessment:
Technical and Test Institute for Construction Prague**

Trade name of the construction product: **FGM**
- glass fibre joint self-adhesive tape for gypsum
plasterboards

**Product family to which the construction
product belongs:** Product are code: 7 Gypsum products

Manufacturer: FPC "Djofra-M" SRL
MD-2029, Moldova
Chisinau, sos. Muncesti, 801

Manufacturing plant(s) FPC "Djofra-M" SRL
MD-2029, Moldova
Chisinau, sos. Muncesti, 801

**This European Technical Assessment
contains:** 5 pages

**This European Technical Assessment is
issued in accordance with Regulation (EU)
No 305/2011, on the basis of:** EAD 070002-00-0505 Glass fibre joint tape for
gypsum plasterboards

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Specific part

1. Technical description of the product

1.1 General

The product **FGM** (glass fibre joint self-adhesive tape for gypsum plasterboards) is made of glass fibres which are stranded and consequently weaved. The product is designed to give an appropriate reinforcement for various gypsum jointing materials used for gypsum plasterboards as they are defined in EN 520 and modified products, made of gypsum plasterboards and gypsum boards reinforced by fibres.

The product is delivered as ready to use tape rolls of standard width of **48 mm**.

The type of the product according EAD 070002-00-0505:

self-adhesive tape – glass fibre mesh equipped with an adhesive layer based on synthetic polymers resin at the back side. To provide resistance to alkali conditions, the fibre mesh is coated by an organic layer. At first, this tape is bonded to boards and consequently the jointing material is applied. The self-adhesion ability of tape and penetration of jointing material through tape is to be proved by tests.

According to the manufacturer technical specification, the type of the glass fibre is **E-glass** for **FGM** (glass fibre joint self-adhesive tape for gypsum plasterboards).

Concerning product packaging, transport, storage, maintenance, replacement and repair it is the responsibility of the manufacturer to undertake the appropriate measures and to advise his clients on the transport, storage, maintenance, replacement and repair of the product as he considers necessary.

It is assumed that the product will be installed according to the manufacturer's instructions or (in absence of such instructions) according to the usual practice of the building professionals.

2. Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

The product is intended to use as a complementary product for jointing of gypsum plasterboards as they are defined in EN 520 and modified products, made of gypsum plasterboards and gypsum boards reinforced by fibres. It does not contribute directly to the stability of the boards on which it is installed. Mechanical stability of gypsum plasterboards is provided by installation on support framework, which is not the subject of this ETA.

The product is used with jointing materials according to EN 13963, types 1A, 1B, 3A, 3B. It shall be assured that cooperation of the tape and jointing material leads to reduction of cracks.

This product is intended to use in interiors and at temperatures above 0 °C.

3. Performance of the product and references to the methods used for its assessment

The characteristics of product and methods of verification of self-adhesive tape **FGM** (glass fibre joint tape for gypsum plasterboards) were carried out in compliance with the EAD 070002-00-0505 "Glass fibre joint tape for gypsum plasterboards".

Table No. 1: Essential characteristics of the product and methods and criteria for assessing the performance of the product - self-adhesive tape **FGM**

No.	Essential characteristic and method of verification and assessment	Expression of product performance
Basic Works Requirement 2: Safety in case of fire (BWR 2)		
1	Reaction to fire (EAD 070002-00-0505, Cl. 2.2.1)	no performance assessed
Basic Works Requirement 4: Safety and accessibility in use (BWR 4)		
2	Tensile strength (EAD 070002-00-0505, Cl. 2.2.2), standard conditions (23 ± 1)°C, (50 ± 2)% RH	characteristic value of tensile strength (bottom level of 95 % quartile on confidence level 75 %): $\sigma_k = 15.6 \text{ N/mm}$ (length 10 mm between the clamps of the testing machine)
3	Resistance to dampness (EAD 070002-00-0505, Cl. 2.2.3)	characteristic value of tensile strength after conditioning (bottom level of 95 % quartile on confidence level 75 %): $\sigma_k = 14.3 \text{ N/mm}$ (length 10 mm between the clamps of the testing machine) decrease of the characteristic tensile strength after storage in distilled water: 8,3 % (length 10 mm between the clamps of the testing machine)
4	Self-adhesion ability (EAD 070002-00-0505, Cl. 2.2.4)	low temperature conditioning at -10°C for 24 hours: no visual changes and other defects (tested on width of tape of 48 mm); high temperature conditioning at 70 °C for 24 hours, relative humidity (50±5)%: no visual changes and other defects (tested on width of tape of 48 mm)
5	Jointing material penetration ability (EAD 070002-00-0505, Cl. 2.2.5)	characteristic value of maximal load: 75 N (tested on width 48 mm)

4. Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base

According to the European Commission decision 1995/467/EC as amended by Decision 2001/596/EC, 2002/595/EC and 2010/679/EU, the **AVCP system 3** (further described in Annex V to Regulation (EU) No 305/2011 as amended) applies.

5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

The manufacturer shall perform a permanent internal factory production control based on the control plan. The control plan specifies the type and frequency of tests conducted on the final product. The cornerstones of the control plan for the manufacturer is specified in Cl. 3.2 of EAD 070002-00-0505 Glass fibre joint tape for gypsum plasterboards (November 2016). Manufacturer and Technical and Test Institute for Construction Prague have agreed a control plan which is deposited with the Technical and Test Institute for Construction Prague in documentation which accompanies the ETA.

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By
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