

# onot levha

## onot board

TECHNICAL INFORMATION FORM

06/2024

### ONATPAN® ONEX GYPSUM BOARD TYPE GM - FH1R EXTERIOR WALL PLATE

#### 1. MANUFACTURER INFORMATION

- ❖ **Manufacturer:** ONPO Madencilik İnş. San ve Tic. A. Ş.
- ❖ **Place of Production:** Bala Yolu Üzeri 20.km Çavuşlu Köyü Dumlutepe Mevkii Bala/ANKARA
- ❖ **Place of Telephone:** 0312 887 91 91
- ❖ **Fax:** 0312 887 90 09
- ❖ **Center:** Turgut Özal Bulvarı No: 6 06070 İskitler / ANKARA
- ❖ **Telephone:** 0312 384 30 97
- ❖ **Fax:** 0312 342 32 27

#### 2. PRODUCT DESCRIPTION

##### ❖ **Product Trade Name:** ONATPAN ONEX

ONATPAN ONEX Gypsum Board Type GM - FH1R is an exterior wall board reinforced with felt type fibers, with increased fire resistance and reduced water absorption rate.

##### ❖ **Intended use / purpose (s)**

It is a gypsum board that can be used as a dry surface layer on walls, as a coating layer or suspended ceiling on ceilings, as partition walls, as cladding on load-bearing columns and beams. Thanks to its water resistance feature, it prevents the passage of water and provides advantages against adverse conditions such as water leakage.

##### ❖ **Features**

- A1 class fireproof material
- High strength and adhesion
- Saves labor and time thanks to clean, fast and easy assembly.
- Very easy to cut and apply.
- Lighter, harder, more durable and more workable thanks to high purity natural gypsum.
- Both sides are covered with special cardboard paper, which gives the board flexibility and high strength.

##### ❖ **Reference Standard :** TS EN 15283- 1+A1 Aralık 2012

ONPO MADENCİLİK İNŞ. SAN. ve TİC. A.Ş.

Zübeyde Hanım Mah. Turgut Özal 1 Bulvarı No:6/2 İskitler 06070, Altındağ - ANKARA

T: +90 312 384 30 97 F: +90 312 342 32 27

info@onpo.com.tr / www.onpo.com.tr



### 3. CHEMICAL CONTENT

<b>Aggregate Content</b>	% 0
<b>Chemical Additive Content</b>	% 0 – 0,5
<b>Calcium Sulfate Content</b>	% 95- 100

**Components:** Calcium sulfate dihydrate, top and bottom fiber mattress, starch, plasticizer, plasticizer, foaming agent, glue, frost retarder, fiberglass, silicone emulsion



### 4. TECHNICAL SPECIFICATIONS

	REFERENCE STANDARD	ONAT ALÇI STANDARD	TEST METHOD
<b>Width (mm)</b>	1200 / (0); (-5)	1199-1200	TS EN 15283 -1
<b>Length (mm)</b>	2000- 3000; (0); (-5)	(0); (-1)	TS EN 15283 -1
<b>Length (mm)</b>	12,5 ; (-0,7)	(0); (-0,1)	TS EN 15283 -1
	15 ; (-0,5)	(0); (-0,1)	TS EN 15283 -1
	18 ; (-0,5)	(0); (-0,1)	TS EN 15283 -1
<b>Deviation from Perpendicularity of Short Edges (mm/m)</b>	Max. 2,5	Max.1	TS EN 15283 -1
<b>Thinning Depth (mm)</b>	0,6 ; 2,5	1,2 ; 2,0	TS EN 15283 -1
<b>Thinning Width (mm)</b>	40-80	45-55	TS EN 15283 -1
<b>Fire Response Class</b>	A1	A1	TS EN 15283 -1
<b>High Temperature Fire Response Time (minutes)</b>	>15	15 - 30	TS EN 15283 -1
<b>Total Water Absorption (%)</b>	Tip H1 < 5	1-4	TS EN 15283 -1

		REFERENCE STANDARD	ONAT ALÇI STANDARD	TEST METHOD
12,5 mm	Fracture Load in Bending (N) / Short Edge Direction	>300	>600	TS EN 15283 -1
	Fracture Load in Bending (N) / Long Edge Direction	>725	>900	TS EN 15283 -1
15 mm	Fracture Load in Bending (N) / Short Edge Direction	>360	>650	TS EN 15283 -1
	Fracture Load in Bending (N) / Long Edge Direction	>870	>1050	TS EN 15283 -1
18 mm	Fracture Load in Bending (N) / Short Edge Direction	>432	>730	TS EN 15283 -1
	Fracture Load in Bending (N) / Long Edge Direction	>1044	>1250	TS EN 15283 -1

**Edge Type**

Cut Edge



Thinned Edge



**Thermal Conductivity (W/m.K)**

0,24

**Coefficient of Resistance to Water Vapor Transmission**

10



ONPO MADENCİLİK İNŞ. SAN. ve TİC. A.Ş.

Zübeyde Hanım Mah. Turgut Özal 1 Bulvarı No:6/2 İskitler 06070, Altındağ - ANKARA

T: +90 312 384 30 97 F: +90 312 342 32 27

info@onpo.com.tr / www.onpo.com.tr



## 5. IMPLEMENTATION

- ONEX is applied on metal or wooden skeleton with suitable screws according to board thickness.
- Thanks to its thinned long edges, a smooth and even surface can be achieved by using DERZONAT joint filler plaster in the joint areas.

## 6. WARNING

- ONEX is suitable for exterior use.
- Material and ambient temperature should not be below 4 °C.

## 7. WAREHOUSING

- It should be ensured that the floor on which the boards will be stored can support the board load.
- Gypsum boards should be stored on a flat surface.
- Must not come into contact with the floor.
- When storing the boards, care should be taken not to damage the edges and corners.
- When transporting, it must be held by the edges so as not to deflect and must be placed with the help of a forklift.
- Before application, the boards must be protected against water, moisture and direct sunlight.
- While stocking, the packaging shape should not be disturbed, the wedge spacing should be in the ranges received

## MANAGEMENT SYSTEMS

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

- *Document No: ONT.TDS.05*
- *Date of Publication: 29/06/2024*
- *Date of Revision /No:00*
- *Prepared By: Quality Assurance Officer*
- *Approved By: Factory Director*

ONPO MADENCİLİK İNŞ. SAN. ve TİC. A.Ş.

Zübeyde Hanım Mah. Turgut Özal 1 Bulvarı No:6/2 İskitler 06070, Altındağ - ANKARA

T: +90 312 384 30 97 F: +90 312 342 32 27

info@onpo.com.tr / www.onpo.com.tr

