

onot levha

onot board

TECHNICAL INFORMATION FORM

06/2024

ONATPAN® ONEX ROOF 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 ROOF

ONATPAN ONEX ROOF 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

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3. CHEMICAL CONTENT

Aggregate Content	% 0
Chemical Additive Content	% 0 – 0,5
Calcium Sulfate Content	% 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
Width (mm)	1200 / (0); (-5)	1199-1200	TS EN 15283 -1
Lenght (mm)	2000- 3000; (0); (-5)	(0); (-1)	TS EN 15283 -1
Length (mm)	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
Deviation from Perpendicularity of Short Edges (mm/m)	Max. 2,5	Max.1	TS EN 15283 -1
Thinning Depth (mm)	0,6 ; 2,5	1,2 ; 2,0	TS EN 15283 -1
Thinning Width (mm)	40-80	45-55	TS EN 15283 -1
Fire Response Class	A1	A1	TS EN 15283 -1
High Temperature Fire Response Time (minutes)	>15	15 - 30	TS EN 15283 -1
Total Water Absorption (%)	Tip H1 < 5	1-4	TS EN 15283 -1

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



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5. IMPLEMENTATION

- ONEX ROOF 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 ROOF 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

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