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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
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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)

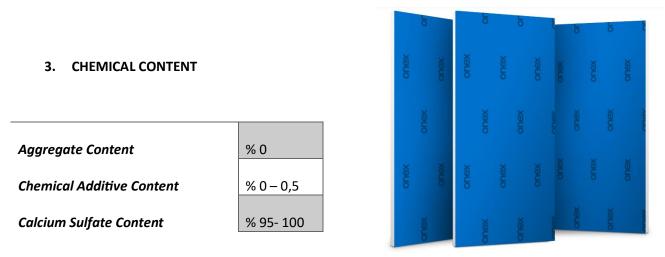
It is a gypsum board that can be used as a dry surface layer on walls, as a coating layer or suspended ceiling on ceilings, as partition walls, as cladding on load-bearing columns and beams. Thanks to its water resistance feature, it prevents the passage of water and provides advantages against adverse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

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| | | 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

Transmission

Cut Edge

0,24

10

Thinned Edge

Thermal Conductivity (W/m.K)

Coefficient of Resistance to Water Vapor





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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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- Prepared By: Quality Assurance Officer
- Approved By: Factory Director



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