

# onot levha

## onot board

TECHNICAL INFORMATION FORM

06/2024

### ONATPAN® RED FIRE-RESISTANT PLASTERBOARD TYPE FR

#### 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 Kırmızı

ONATPAN Red Fire Resistant Gypsum Board Type FR is a gypsum board with improved core cohesion and increased strength against high temperatures, which can be coated with gypsum plaster or a suitable decorative coating on its visible surface.

##### **Intended use / purposes (s)**

Duvarlarda kuru yüzey tabakası olarak, tavanlarda kaplama tabakası veya asma tavan olarak, bölme duvar olarak, taşıyıcı kolon ve kirişlerde giydirme olarak kullanılabilen, yangına karşı yüksek dayanım istenen alanlarda kullanılması önerilen alçı levhadır. İnşaat dekorasyon işlerinde kullanılarak estetik ve doğal görünüm sunar. Konforlu ortam sunar.

##### ❖ **Features**

- A2 - s1 d0 class fireproof material
- High strength
- 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 520 + A1

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

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### 3. CHEMICAL CONTENT

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

**Ingredients:** Calcium sulfate dihydrate, starch, plastic fiberglass, cardboard paper



### 4. TECHNICAL SPECIFICATIONS

	REFERENCE STANDARD	ONAT ALÇI STANDARD	TEST METHOD
<b>Width (mm)</b>	900 / (0) ; (-4)	899-900	TS EN 520+A1
	1200 / (0) ; (-4)	1199-1200	TS EN 520+A1
<b>Length (mm)</b>	1800 ; (0) ; (-4)	(0); (-1)	TS EN 520+A1
	2000- 3000 ; (0) ; (-4)	(0); (-1)	TS EN 520+A1
<b>Thickness (mm)</b>	9,5 ; (-0,5)	(0); (-0,1)	TS EN 520+A1
	12,5 ; (-0,5)	(0); (-0,1)	TS EN 520+A1
	15 ; (-0,5)	(0); (-0,1)	TS EN 520+A1
<b>Deviation from Perpendicularity of Short Edges (mm/m)</b>	Max. 2,5	Max.1	TS EN 520+A1
<b>Depth of Thinning (mm)</b>	0,6 ; 2,5	1,2 ; 2,0	TS EN 520+A1
<b>Thinning Width (mm)</b>	40-80	45-55	TS EN 520+A1
<b>Fire Response Class</b>	A2 – s1 d0	A2 – s1 d0	TS EN 520+A1
<b>High Temperature Fire Response Time (minutes)</b>	>15	15 - 30	TS EN 520+A1

		REFERENCE STANDARD	ONAT ALÇI STANDARD	TEST METHOD
9,5 mm	Fracture Load in Bending (N) / Short Edge Direction	>228	>275	TS EN 520+A1
	Fracture Load in Bending (N) / Long Edge Direction	>551	>600	TS EN 520+A1
12,5 mm	Fracture Load in Bending (N) / Short Edge Direction	>300	>350	TS EN 520+A1
	Fracture Load in Bending (N) / Long Edge Direction	>725	>750	TS EN 520+A1
15 mm	Fracture Load in Bending (N) / Short Edge Direction	>360	>400	TS EN 520+A1
	Fracture Load in Bending (N) / Long Edge Direction	>870	>920	TS EN 520+A1

#### 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

- ONATPAN Red is applied on metal or wooden skeleton with suitable screws according to board thickness.
- It is applied on the existing wall with YAPONAT adhesive plaster.
- 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. WARNINGS

- ONATPAN Red is suitable for indoor use.
- Not to be used in areas exposed to constant humidity.
- 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 on delivery.

## MANAGEMENT SYSTEMS

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

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- Approved By: Factory Director

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