

# onot alçı

## onot gyps

TECHNICAL INFORMATION FORM

07 / 2024

### ONAT ALÇI® GYPSUM BASED ADHESIVE

#### YAPONATE

##### 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
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##### 2. PRODUCT DESCRIPTION

###### ❖ **Product Trade Name:** Yaponat

Yaponate, gypsum-based adhesive, gypsum board bonding plaster

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

It is a bonding plaster with high adhesion, durability and flexibility that provides bonding of gypsum boards to surfaces such as concrete, exposed concrete, aerated concrete and offers flexible and decorative visuality. It is A1 class fireproof material that provides sound insulation.

###### ❖ **Features**

- It is A1 class fireproof material.
- Has high strength and adhesion property.
- It is a breathable material. In this way, it is able to balance the humidity in the environment.
- Does not flow and accumulate on the surface during application.

###### ❖ **Reference Standard:** TS EN 14496

TS EN 13279-1: 2009

TS EN 13279-2: 2014

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### 3. CHEMICAL CONTENT

|                                  |             |
|----------------------------------|-------------|
| <b>Aggregate Content</b>         | % 15 - 20   |
| <b>Chemical Additive Content</b> | % 0,5 – 1,0 |
| <b>Calcium Sulfate Content</b>   | % 80 - 85   |

**Ingredients:** Calcium sulfate dihydrate, micronized calcite, chemical additives



### 4. TECHNICAL SPECIFICATIONS

|   |             |
|---|-------------|
| <b>Water / Gypsum Ratio (%)</b>                     | 55          |
| <b>Spreading Diameter (mm)</b>                      | 155 - 165   |
| <b>Bulk Density (gr/l)</b>                          | 650 - 750   |
| <b>Initial Set (minutes)</b>                        | 70– 120     |
| <b>Final Set (minutes)</b>                          | 130- 190    |
| <b>pH</b>   | 7           |
| <b>Flexural Tensile Strength (N/mm<sup>2</sup>)</b> | 1,1 – 1,6   |
| <b>Compressive Strength (N/mm<sup>2</sup>)</b>      | 3,3 – 4,5   |
| <b>Crystal Water Content (%)</b>                    | 4,00 – 5,00 |
| <b>Fire Response Class</b>                          | A1          |

#### SIEVE ANALYSES

| Sieves | 50 µ   | 100 µ     | 150 µ | 200 µ | 300 µ | 500 µ | 800 µ | 1000 µ |
|--------|--------|-----------|-------|-------|-------|-------|-------|--------|
| %      | 6 - 11 | 0,5 – 1,0 | 0,00  | 0,00  | 0,00  | 0,00  | 0,00  | 0,00   |

#### MANAGEMENT SYSTEMS

|               |                |                |
|---------------|----------------|----------------|
| ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 |
|---------------|----------------|----------------|

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## 5. IMPLEMENTATION

- The application surface must be cleaned. Afterwards, the dust on the surface should be cleaned with a brush.
- Put 5-5.5 liters of clean water into the clean container where the mixture will be prepared..
- Open the bag and take the powdered 10 kg product by separating it into the container where the mixture will be prepared.
- Wait for about 2-3 minutes so that the powdered plaster can absorb water.
- Continue the mixing process with a hand mixer or a trowel for at least 2 minutes until you get a homogeneous mixture.
- Start applying after the mixture is completed, so that the appropriate gypsum water ratio is 10 kg of powdered gypsum to 5-5.5 liters of water for the **Yaponat**.
- The prepared mortar is applied to the surface to be applied in groups at sufficient intervals..
- After the bonding process, the smoothness of the bonded surface should be checked.
- After the application is completed, do not forget to clean the container and hand tools you used for next use.

## 6. WARNING

- It should be ensured that there is no air flow and draft in the environment during application.
- Application temperature should be between +5 and +40 °C.
- Extremely dry, hot and highly absorbent surfaces should be moistened with water.

## 7. WAREHOUSING

- Stack no more than 20 bags on top of each other on a dry floor.
- Bags should be stored in such a way that they do not come into contact with the ground and are protected from moisture and condensation.
- Must be used within 6 months from the date of production.
- Poor storage environment or exceeding the period of use will cause **Yaponat** to lose its properties.



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