

# onot alçı

## onot gyps

TECHNICAL INFORMATION FORM

06 / 2024

### ONAT PLASTER® LIGHTWEIGHT PLASTER FOR BUILDING / B4 MAKONAT - MACHINE PLASTER

#### 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:** Makonat  
Makonat, lightweight plaster for building,  
B4/50/2 spray plaster

- ❖ **Intended use / purpose (s)**

It is a bagged gypsum-based ready-mixed plaster that can be applied directly by machine on brick, concrete, exposed concrete, gas concrete, pumice block etc. materials. A1 class fireproof material that provides sound insulation.

- ❖ **Features**

- A1 class fireproof material.
- High strength and adhesion.
- It is a breathable material. In this way, it can balance the humidity in the environment.
- Does not flow and pile up on the surface during application.

- ❖ **Reference Standard:** TS EN 13279-1: 2009  
TS EN 13279-2: 2014

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

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### 3. CHEMICAL CONTENT

<b>Aggregate Content</b>	% 28 - 32
<b>Chemical Additive Content</b>	% 0,5 – 1,0
<b>Calcium Sulfate Content</b>	% 65 - 70

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



### 4. TECHNICAL SPECIFICATIONS

<b>Water / Gypsum Ratio (%)</b>	50 - 60
<b>Spreading Diameter (mm)</b>	180 - 190
<b>Bulk Density (gr/l)</b>	750 – 830
<b>Socket Start (minutes)</b>	150 - 190
<b>Socket Termination (minutes)</b>	250 – 280
<b>pH</b>	13 – 14
<b>Flexural Tensile Strength (N/mm<sup>2</sup>)</b>	1,0 – 1,2
<b>Compressive Strength (N/mm<sup>2</sup>)</b>	3,0 – 3,5
<b>Crystal Water Content (%)</b>	3,80 – 4,50
<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
%	47 - 52	30 - 35	20 - 25	20 - 25	11- 14	4- 7	0- 1	0,01

#### 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.
- Open the bag and pour the powdered plaster into the plastering machine so that the plaster water ratio is 5.5-6 liters of water / 10 kg of powdered plaster for Makonat.
- Spray the mortar onto the application surface with a machine.
- Spray horizontally and evenly at all points. Take care not to leave gaps.
- Screed the application area from bottom to top with a screed or a wide surface trowel, pressing against the ano laths.
- Complete the gauging so that there are no gaps.
- If the surface does not collapse when lightly pressed with a finger, perform hyphenation.
- Spray water on the application surface with a brush. With a rubber trowel, trowel the surface by moving in a circular motion on the Makonat treated surface.
- Take water inside the plastering machine and clean the spray hose and the inside of your machine for the next use.

## 6. WARNING

- It should be ensured that there is no air flow and draft in the environment during application.
- The surface of the ceilings should be roughened or primed with a material that allows the mortar to adhere to the surface before applying the plaster.
- 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 15 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 **Makonat** to lose its properties.



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- Approved By: Factory Director

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