

onot alçı

onot gyps

TECHNICAL INFORMATION FORM

07 / 2024

ONAT PLASTER® LIGHTWEIGHT PLASTER FOR BUILDING / B4 MAKONAT ECO - 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 Eko

- ❖ Makonat Eko, lightweight plaster for building, B4/50/2 spray plaster

- ❖ **Intended use / purposes (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

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3. CHEMICAL CONTENT

Aggregate Content	% 35 - 40
Chemical Additive Content	% 0,5 – 1,0
Calcium Sulfate Content	% 60 - 65

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



4. TECHNICAL SPECIFICATIONS

Water / Gypsum Ratio (%)	40 - 45
Spreading Diameter (mm)	178 - 185
Bulk Density (gr/l)	850 - 930
Socket Start (minutes)	120 - 150
Socket Termination (minutes)	200 - 220
pH	13 – 14
Flexural Tensile Strength (N/mm²)	1,0 – 1,2
Compressive Strength (N/mm²)	2,5 – 3,0
Crystal Water Content (%)	3,70 – 4,20
Fire Response Class	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 powder plaster into the plastering machine.
- 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 the application surface with water using a brush. With a rubber trowel, trowel the surface by moving in a circular motion on the Makonat Eko 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 Eko** to lose its properties.



- Document No: ONT.TDS.10
- Date of Publication: 5/07/2024
- Date of Revision/No:00
- Prepared By: Quality Assurance Officer
- Approved By: Factory Director

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