

Translation from Polish -/-

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RFS mortar for jointing tiles in Lobatherm P insulation system.

The mortar for jointing ceramic and clinker tiles in the Lobatherm P insulation system by quick-mix. The mortar has a “wet soil” texture. Jointing must be made 14 days after attaching the tiles with RKS adhesive mortar, by using “a dry method”.

CHARACTERISTICS:

- mineral joint, modified with polymers,
- water- repellent ,
- elastic,
- frost proof after hardening,
- resistant to adverse weather conditions,
- low shrinkage,
- good adhesive power to the tile edges.
- the joint width from 4mm to 15 mm
- colours: cement- grey, white and beige, white and grey
- particle size: 0-1 mm

USAGE:

- to be used inside and outside the building
- recommended to be used with Lobatherm P External Thermal Insulation Composite System
- recommended to be used with any kind of ceramic and clinker materials, and tiles with good absorbability and absorptive surface.
- the mortar should have a half-dry texture and must be applied with a jointing trowel.

QUALITY AND RELIABILITY

- product is a component of the LOBATHERM P system -/-
- mortar of M10 type under the EN 998-2 standard -/-
- high quality binders under EN 197 standard -/-
- colourful jointing mortar contain inorganic pigments which are resistant to adverse weather conditions, UV rays and the alkaline from cement. -/-
- quality regularly checked under **ISO 9001** standards. -/-
- the amount of chrome VI used has been reduced to <2 ppm. -/-

BASE -/-

RKS adhesive mortar for façade tiles must be set and dry. The process of attaching the tiles should be finished at least two weeks before jointing. The joints should be cleaned thoroughly at least as deep as the tiles go (maximum 15 mm). Thorough cleaning and appropriate dampening the joints is the necessary condition for sticking the mortar to the edges of the tiles. In case of unfavourable weather conditions (i.e. high temperature, a strong draught, highly absorbable tiles) the joints must be dampened before applying the jointing mortar. -/-

TREATMENT -/-

The jointing mortar must be mixed with 2.0 - 2.2 litres of clean water until the texture is appropriate for applying it using the “half-dry” style. Recommended mortar texture is “wet soil” or not very elastic. The mortar should be carefully squeezed into the joints with the use of jointing trowel. Do not add more water during treatment because it may result in difference in colour. Do not add any other substances to the mortar. The mixed mortar must be used within an hour since it has been prepared. In case of typical depth of joint the mortar must be carefully squeezed into the slots and thoroughly thickened with the use of float and jointing trowel. The slots must be jointed in two cycles in “wet on wet” style. The even treatment can guarantee an even shade of colour. The fresh joint must be protected from frost, draught, rain and exposure to direct sunrays. The jointing works can be performed when the air and base temperature is between +5°C and + 25°C. -/-

THE EFFICIENCY -/-

25 kg of dry mortar after mixing with water appropriate for the treatment produces about 15 litres of wet mortar. -/-

THE CONSUMPTION -/-

Values resulting from test on 1m ² (without losses):	
Tile format	Consumption
regular format NF	about 5.0 kg
thin format DF	about 7.5 kg

Notice: The data above apply to a joint 15 mm deep.

PACKAGING -/-

A bag of 25 kg. -/-

STORAGE -/-

Store in a dry place on wooden pallets. Storage period: 12 months from the manufacturing date shown on the packaging. -/-

CAUTION: -/-

The product contains cement which may cause allergy. When mixed with water or moisture, it evokes alkaline reaction. Therefore eyes and skin must be protected. In case of contact with skin, the skin must be washed carefully with water. In case of contact with the eye, it must be washed with a large amount of water and the doctor's advice is needed immediately. -/-

The information contained herein are based on widespread research and practical tests. They do not account for any instance of use. That is why performing a test is recommended. The manufacturer reserves the right to introduce technical changes connected with improving the product. Our general trading terms apply to other aspects. -/-

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TECHNICAL CHARACTERISTICS: -/-

Mortar type	M10 under PN-EN 998-2 standard
Bulk density	around 1.69 g/ cm ³
Compression strength:	≥ 10 N/mm ²
Graining:	0-1 mm
Treatment time:	up to 1 hour at the temperature of 20°C
Temperature for treatment:	from +5°C to +25°C
Texture:	like a wet soil to not very elastic
Water consumption:	from 2.0 litres to 2.2 litres for 25 kg
Efficiency:	about 15 litres is produced from 25 kg
Storage:	in a dry place, 12 months from the manufacturing date
Available in packaging:	25 kg
Colours available:	cement- grey (RFS/ gr), beige- white (RFS/bw) grey-white (RFS gw)

The technical characteristics refer to the following weather conditions: temperature 20°C and relative air humidity at 65%. -/-

REQUIREMENTS CONCERNING CERAMIC AND/OR CLINKER TILES: -/-

Requirements concerning the tiles:	
The tiles must be in accordance with standard	EN 14411 or EN1469
Resistance to frost:	under EN 202
Tile thickness:	≤ 15 mm
Maximum tile size:	≤0.09 m ² (or 30x 30 cm)
Maximum side length:	≤30 cm

Total porosity:	not less than 20 mm ³ /g
Distribution of size of pores with maximal radius:	more than 0.2 micrometre (2x 10 ⁻⁴ mm)
Absorbability (system using Styrofoam):	≤ 6% under EN 99
Absorbability (system using mineral wool):	≤ 3% under EN 99
Other elementary requirements:	
Basic percentage of joint in the overall surface:	more than 6%
Dowelling (system using Styrofoam):	in all buildings dowelling through the net
Dowelling (system using mineral wool):	in all buildings dowelling through the net



1488

quick-mix Sp. z o.o. -/-

Address: ul. Nyska 36, 57-100 Strzelin -/-

Manufacturing unit: -/-

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04 -/-

110077 -/-

EN 998-2:2010	
Masonry mortar of general use (G)	
1488-CPR-0014/Z 1488-CPR-0102/Z	
Masonry mortar designed to be generally used inside and outside in construction elements subject to constructive requirements -/-	
Fire reaction	A1
Compression strength	M 10
Initial resistance to shearing	0.15 N/mm ² (table value)
Water absorption	≤ 0.40 kg/(m ² min ^{0.5}) (table value)
Chloride amount:	≤ 0.1% Cl
Steam transmission coefficient μ:	15/ 35 (table value)
Thermal conductivity λ _{10,dry} :	≤ 0.82 W/(m·K) for P=50% ≤ 0,89 W/(m·K) for P=90%

	(table value EN 1745)
Durability (resistance to freezing – defrosting): assumed upon the manufacturer's own experiments; to be used in harsh environment under EN 998-2 Annex B	

The product is a part of the **LOBATHERM P** thermal insulation system and is compatible with the technical approval: AT-15-8940/2012. -/-

The National Declaration of Compatibility: 12080429/ 07.03. 2013 -/-

Unit issuing the certificate: ITB Warsaw no. AC 020 -/-

Data as of May 2014 -/-

After new technical manual has been issued, the hereby version becomes invalid. -/-

More information available from: -/-

quick mix sp. z o.o. -/-

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