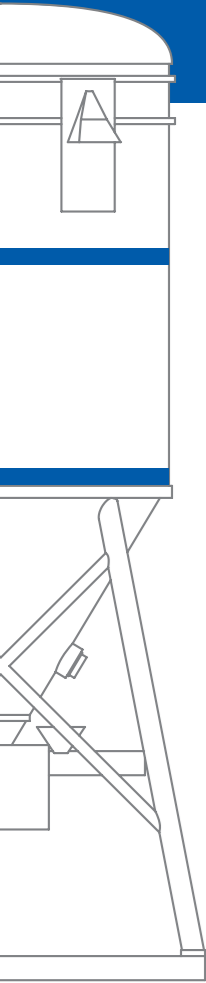


maxit mur 825 therm – one mortar for all precision block masonry applications

maxit mur 825 therm | precision block mortar

maxit mur 825 therm – precision block mortar



Compressive strength
 $\geq 10 \text{ N/mm}^2$

compulsory for
 laying precision blocks

Thermal conductivity
 comparable to LM21

Please note:

The information provided in this brochure is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our maxit products from the responsibility of carrying out their own tests and experiments. Nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user.

S/10.2021/2/710715

maxit nord
 maxit Baustoffwerke GmbH
 Brandensteiner Weg 1
 07387 Krölpa | GERMANY
 Phone: +49 (0) 3647/433-0
 Fax: +49 (0) 3647/433-380
 E-mail: info@maxit-kroelpa.de

maxit süd
 Franken Maxit
 Mauermörtel GmbH & Co.
 Azendorf 63
 95359 Kasendorf | GERMANY
 Phone: +49 (0) 9220/18-0
 E-mail: info@maxit.de



maxit mur 825 therm –
always on the safe side!



Thermal bridges when using conventional application mortar

The levelling layer underneath the precision block masonry

Task

Before laying the first course of precision blocks, any variations in the foundation level must be dealt with. One mortar for all applications surrounding precision block masonry.

In the past:

Until now, general purpose masonry mortar (NM IIa M5) or cement mortar (NM III M10) was used for the levelling layer. Due to the high compressive strength and low thermal insulation properties of these products, there were problems with thermal bridging. As an alternative, levelling mortars of thermal conductivity classes LM36 and LM21 were used. Although the thermal insulation properties improved, the compressive strength decreased, resulting in possible cracks.

NEW:

maxit mur 825 therm mortar for precision blocks

maxit mur 825 therm mortar for precision blocks combines the advantages of a high-strength masonry mortar with the insulating properties of a lightweight masonry mortar. The resulting levelling layer offers high strength as well as thermal insulation.

Benefits:

- ✓ High compressive strength (M10)
- ✓ Thermal insulation
- ✓ High yield
- ✓ Excellent workability
- ✓ Universal application
- ✓ Class A1 construction material

Additional benefits:

The precision block mortar is ideal for bedding lintels or shutter boxes on mortar. Thanks to its high thermal insulating properties, it is also the perfect choice for filling butt joints.

Suitable for:

- ✓ Creating the levelling layer
- ✓ Mortaring cross joints
- ✓ Installing shutter boxes
- ✓ Incorporating lintels
- ✓ Filling in chases cut in walls for pipes or electrical cables
- ✓ Building in structural elements
- ✓ Incorporating u-shaped blocks

Layer thickness

The maximum thickness of the mortar bed should generally not exceed 3 mm. In individual cases, if the maximum allowable stress is not attained, the levelling layer can be up to 5 cm thick. (Source: Technical paper by Dr. Roland Rast, German Masonry Construction Association DGFm/Dr. Schubert).



Always on the safe side!

With **maxit** mur 825 therm precision block mortar you are now always on the safe side. Featuring a compressive strength of M10 and thermal conductivity of LM21, **maxit** mur 825 therm fully meets the reinforced requirements of Eurocode 6 and thermal insulation regulations. It does away with the necessity of having several products on the building and thus eliminates the risks of the wrong product being used.

maxit mur 825 therm

Precision block mortar

Brief product description

maxit mur 825 therm precision block mortar is a mineral lightweight masonry mortar with a maximum particle size of approx. 4 mm and lightweight aggregate such as expanded clay and perlite.

Uses

maxit mur 825 therm is used for creating high-precision block walling systems that fulfil the insulating requirements of the Thermal Insulation Ordinance. It is ideal for use as bedding mortar to level the base course of high-precision blocks as well as for filling butt joints and levelling masonry lintels and shutter boxes.

Product benefits

- Low dry bulk density
- High yield
- Class A1 construction material
- High compressive strength
- Thermal insulation

Technical specifications

| | |
|--------------------------------|--|
| Coverage rates | 1 to yields approx. 1,600 l fresh mortar |
| Application temperature | Do not apply at site or ambient temperatures below 5 °C or above 30 °C |
| Reaction to fire | A1 (non-combustible) |
| Thermal conductivity | Corresponds to LM21 |
| Classification | M10 according to EN 998-2 LM according to DIN V 18580 |
| Compressive strength (28 days) | ≥ 10 N/mm ² |
| Water ratio | approx. 7,5 l per 15 kg bag |
| Dry bulk density | ≤ 1,3 kg/dm ³ |
| Chloride content | ≤ 0,1 M.-% |
| Water vapour permeability | 5/20 (tabulated value) |

