



MT CALCE (Colour)

READY-TO-USE, DECORATIVE MICRO TOPPING
FOR WALLS AND CEILINGS - SEAMLESS

INTERNAL USE

DESCRIPTION

MT CALCE is a ready-to-use decorative Micro Topping (thin plaster). **MT CALCE** is based on 95% mineral substances and contains only about 4.8% organic constituents. This product complies with DIN 18363, section 2.4.1 and is suitable for indoor use only.

MT CALCE is delivered in colour and provides a huge time-saving when executing a project compared to existing systems in the market.

MT CALCE is available in 3 different grain sizes:

- **MT CALCE F** (Fine): < 0.3 mm in 27 basic shades or others on request
- **MT CALCE M** (Medium): approx. 0.5 mm in 27 basic shades or others on request
- **MT CALCE C** (Coarse): < 0.7 mm in 27 basic shades or others on request

APPLICATION AREAS

Finishing walls and ceilings, indoors.

Suitable for substrates such as plaster, plasterboard, concrete, intact emulsion paints, wood, MDF, etc. Refer to the TDS of the **MT IMP** or the **MT PRIMER** to apply the correct primer.

Vapour diffusion

The surface treated with **MT CALCE** is open to vapour diffusion. This means that water vapour can be absorbed and stored to be released later. This creates a healthy moisture-regulating room climate that noticeably increases the quality of living. If a topcoat is applied, this vapour diffusion is greatly reduced.

BENEFITS

- Ready-to-use product, 1-component
- Applicable in 1 or 2 layers
- Good hiding power
- Very good and easy processing
- Long open time
- Vapourproof
- Water-based
- Final texture even to textured, processing technique dependent.
- Easy to sand
- Endless decorative effects
- Seamless

FEATURES

- pH >11.5
- Viscosity: paste
- Grain size: < 0.5 mm
- Density: approx. 1.4 g/cm³ (at 20 °C)
- VOC-free
- Plasticiser-free
- Cured without the addition of a catalyst
- GIS code: BSW20

USE

PREPARATION

The substrates must be flat, firm, dry and free from dust and dirt, efflorescence (salt rash), salt rash, grease or oil, discolouration, mould contamination, wallpaper, porous grain layers and separating substances. Existing old paint layers should be checked for adhesion and firmness.

Shrinkage joints, joints, seams and cracks can only be overcoated with proper treatment. Only if these are not or no longer active and/or do not follow the movements and settlements of the building or supporting structure.

Moisture content of substrate: < 3% (by weight).

Always consult the technical data sheets of all products to be used.

Processing temperature: The substrate, the ambient temperature, the temperature of the products and of the tools used must be between 5 °C and 30 °C during application and drying.

Relative ambient humidity: max. 70 %.

Dew point before and during application and curing: The temperature of the substrate must be +5 °C higher



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than the dew point. Always ensure sufficient ventilation of the application area after application of the product to ensure proper curing.

The statutory regulations must be observed during cleaning work.

- **Highly absorbent substrates:**
Lime plaster, concrete, aerated concrete and gypsum boards impregnate with **MT IMP**.
- **Old tiled surfaces :**
Thoroughly clean and remove grease residues, sand if necessary.
Prime with granular primer **MT PRIMER** and after drying fill with **MT LIGHTFILLER**.
Place a suitable fleece in the freshly filled 1st coat of **MT LIGHTFILLER**, work it in with a trowel and apply a 2nd coat of **MT LIGHTFILLER** after drying.
Remove any protrusions by sanding with 240 paper.
MT CALCE can be applied directly onto **MT LIGHTFILLER** without using **MT PRIMER**.
- **Surfaces with mould growth:**
Thoroughly clean, e.g. mechanical brushing or wet cleaning. After cleaning, pretreat additionally with a commercially available repair solution and allow to dry thoroughly (observe manufacturer's instructions).

APPLICATION

Tinted MT CALCE: As slight colour nuances may occur from bucket to bucket, it is advisable to check this before use, especially if several buckets are needed for the same surface. It is therefore recommended to stir the contents of the buckets.

Since **MT CALCE** is by nature quite white, not all bright colours are feasible.

Possible combinations:

- Walls:
 - In 1 layer: **Medium or C (Coarse)**
 - In 2 layers: **Fine on Fine, Fine on Medium, Medium on Medium, Fine on C (Coarse), Medium on C (coarse), C (coarse) on C (coarse)**

Possible decorative systems:

⇒ Videos are available at www.ariomat.com

- **MT CALCE** will always be placed on a primed substrate.
For this, use **MT PRIMER** in 1 layer applied with a roller.
- Apply **MT CALCE** and smooth it to grain thickness.
- After waiting for about 15-40 minutes (during this time the plaster should not show any visible stains when tested by hand), lightly moisten the surface with a spray bottle and smooth it with a stainless steel trowel. If necessary, the surface can be reworked at any time by lightly moistening it with **MT PROTECT MATT**.
- Second coat: In order to prevent the second coat from drying too quickly, apply **MT PROTECT MATT**, shortly before applying the second coat, be applied generously with a brush to the first coat.
- Finishing, depending on the desired final effect, can be done by three different products: These three different products also improve the water resistance of **MT CALCE**: **MT PROTECT GLOSS**, **MT PROTECT MATT**, or **MT FINISHER X-MATT 2C**.
MT PROTECT GLOSS gives a slightly glossy finish, while **MT PROTECT MATT** offers a matt finish or glossy/vitreous depending on application. Both products require several days drying time before reaching their final water resistance. The last possible finish is with **MT FINISHER X-MATT 2C**, which requires the use of **MT IMP** 1:3 as an alkali-resistant primer before application.



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→ Refer to its individual technical documentation before use.

Drying time: Dry and overcoatable after 6-8 hours per coat at 20 °C and 50 % relative humidity. Lower temperatures and higher relative humidity extend the drying time.

Indicative consumption: Consumption may vary depending on the substrate and the desired structure.

- **MT CALCE F** (Fine): approx. 0.3 kg/m²/coat
- **MT CALCE M** (Medium): approx. 0.6 kg/m²/coat
- **MT CALCE C** (coarse): approx. 1.2 kg/m²/coat

CLEANING AND MAINTENANCE

- Clean tools immediately after use with lukewarm water and a scouring pad.
- Maintenance can be done by gently cleaning with water and **MT CLEANER A** diluted to 1:5.

PACKAGING

- Buckets of 15 kg.

STORAGE and SAFETY

- Store tightly closed containers in a dry area, frost-free and away from direct sunlight.
- In unopened original packaging, the shelf life is about 12 months after production date at a temperature between 5 °C and 30 °C.

SAFETY

- Read the safety data sheet.
- Keep out of reach of children. Ensure good ventilation during handling and drying. Avoid eating, drinking and smoking while handling the product. Avoid contact with eyes and skin. Always use protective gloves and goggles when handling this product.
In case of contact with eyes and skin, rinse immediately with plenty of water. Do not allow product to enter sewers, waterways or soil. Use P2 dust filter for grinding work.
- EUH 208: Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.

WASTE DISPOSAL

- Only recycle empty packaging. Dispose of liquid material residues to the collection point for old paint/varnish, dispose of dried material residues as construction and demolition waste or as municipal or household waste.

MT CALCE
ARIOMAT
Mineral surfaces
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IMPORTANT NOTE

All information in this document is believed to be accurate, but its accuracy or completeness is not guaranteed and no warranty is given with respect thereto. We are not liable for any loss or any damage caused by the use of the product. **Own tests must be carried out before each treatment.** Given the versatility and diversity of the respective working conditions and materials used, we cannot cover every single case in our description. We reserve the right to change the composition of our products and the accompanying technical documentation without prior notice.