

Meldorfer Classic 071–077, 085–087

071

Flat facing bricks for designing exterior and interior surfaces. Ideally suitable to achieve the aesthetic effect of natural or face stone brickwork

Product Description

Field of Application

Special protective material for individual designing of surfaces within the Capatect-ETICS/EWI System* B and on other even, solid, and sound substrates.

* *British term:* External Wall Insulation (EWI) or External Thermal Insulation Composite System / ETICS

Amer. term: External Insulation and Finish System (EIFS)

Properties

- Fire behaviour: “schwerentflammbar” (of low flammability / hardly combustible)
- organic binder
- mainly made of mineral materials
- weatherproof
- water vapour permeable
- hard-wearing and resistant to mechanical stress
- shock-proof and scratch-resistant
- resistant to cleaning
- hand-made
- decorative
- UV-resistant

Technical Data

- heat conductivity (draft value): 0.70 W/(m · K) to DIN 4108
- water-absorption coefficient: $w < 0.11 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$

Delivery Form

- 2 standard sizes (thickness 4 – 6 mm).
- Type “Sandstone” in mixed sizes (thickness 4 – 6 mm).
- Special sizes, hues and shapes (surfaces) may be delivered on request.

	Prod. No.	Type of flat facing brick	Packaging	Consumption
Size II	071	Flat facing brick (240 x 52 mm)	3.0 m ² /carton = 192 units	64 units/m ²
	073	Edge facing brick ¾ angle with full end and ¾ side surface (175 x 115 x 52 mm)	3.0 m /carton = 48 units	16 units/m-Edge (=0.26 m ² area)
	075	Edge facing brick 1/1 angle with full end and 1/1 side surface (240 x 115 x 52 mm)	3.0 m /carton = 48 units	16 units/m-Edge (=0.36 m ² area)
Size III	085	Flat facing brick (240 x 71 mm)	3.0 m ² /carton = 144 units	48 units/m ²
	086	Edge facing brick ¾ , angle with full end and ¾ side surface (175 x 115 x 71 mm)	3.0 m /carton = 36 units	12 units/m-Edge (=0.29 m ² area)
	087	Edge facing brick 1/1 angle with full end and 1/1 side surface (240 x 115 x 71 mm)	3.0 m /carton = 36 units	12 units/m-Edge (=0.36 m ² area)
Type:Sandstone	076	Flat facing brick (300 x 52 mm) (300 x 71 mm) (300 x 135 mm)	3.0 m ² /carton with 45 units 45 units 19 units	individual, according to the classification into 3 sizes
	077	Edge facing brick 1/1 Angle with full end and 1/1 side surface (240 x 115 x 52 mm) (240 x 115 x 71 mm) (240 x 115 x 135 mm)	3.0 m/carton with 12 units 12 units 9 units	

Slight tolerances in dimensions-to achieve a natural effect-are to be taken into consideration.

■ Colours

Colour	Shade	for size
altweiß (off-white)	—	II, III
antik* (antique)	light, dark	II, III
brandenburg	—	II, III
dithmarschen (dith-marsh)	—	II, III
friesland (frisland)	—	II, III
juist*	beige, beige-grey, beige-yellow	II, III
mecklenburg*	light-red, medium-red, dark-red and fiery-red	II, III
oldenburg*	light-red, medium-red, dark-red	II, III
rotbunt* (red hue)	light, medium, dark	II, III
sylt*	yellow, orange, yellow-orange	II, III
westerwald*	medium-grey, reddish-grey, greenish-grey	only III
grau** (grey)	—	Sandstone
gelb** (yellow)	—	Sandstone
rot** (red)	—	Sandstone

* One single pack of colour may have different shades. To achieve the actual natural effect they should be intermixed before application.

** In order to achieve natural colour-combinations, each colour should be ordered separately and mixed before application.

■ Storage

Protect from overheat and moisture (store in the original packaging).

Application

■ Suitable Substrates

Reinforcement layers of
– Capatect-ZF-Spachtel 690

and substrates like:

- mortar groups P II and P III to DIN 18 550 or similar
- concrete
- sound existing mineral renders/plasters and paint coatings
- gypsum plasterboards and renders/plasters of mortar groups P IV + V in the interiors

■ Preparation of Substrates

The substrate must be even, clean, dry, adherent, sound, and free from all materials that may prevent good adhesion.

Allow new renders/plasters to dry and cure for min. 2 – 4 weeks before the application of any material. For application within the Capatect ETICS/EWI System B, reinforcement layers of Capatect-ZF-Spachtel 690 must be dry and thoroughly hardened.

■ Intermediate Layer

If facing bricks are to be applied onto a cement-based substrate or mineral reinforcement layers, prime with Capatect-Putzgrund 610 to avoid efflorescence as far as possible.

■ Method of Application

Surfaces whereupon the Melderfer Classic Facing Bricks are to be applied, should be marked in rows of defined heights.

Size II: approx. 32 cm = 5 layers

Size III: approx. 33 cm = 4 layers

Type „Sandstone“: individually.

Joint width of approx. 12 mm is to be taken into consideration.

Existing fixed lines, such as window or door sills, may be used as starting points for the application lines. Use this alignment to smoothen slight vertical differences.

The Melderfer Classic Facing Brick is best laid from top to bottom, starting with the Edge Facing Bricks.

The adhesive mortar Melderfer 080 is generally applied in rows between the height markings and horizontally textured with a Melderfer trowel (4 x 6 mm toothing).

Type "Sandstone":

A harmonic effect may be achieved by individual combination of different sizes and correspondent cuts. The three colours grey, yellow and red should be mixed among themselves.

Press the facing brick sideways into the mortar. Leave no voids between the facing brick and the adhesive mortar.

Only the quantity of adhesive mortar needed for the bricks to be laid should be applied. Depending on the desired row aspect, install full and half bricks in regular sequence.

The adhesive mortar is then to be smoothed in the joints between the facing bricks with a 10 mm wide flat brush, immediately after application.

Penetration of water into the substrate must be excluded, therefore the adhesive mortar must have a 100% contact to the sides of the bricks.

After a short drying time, the complete surface is to be swept off with a hand brush to remove surmounting, loose mortar.

Additionally the joints may be treated with cement-grey joint filler Melderfer Fugenmörtel 081.

■ Minimum Temperature for Application and Drying

Temperature should not fall below +5 °C for material, substrate, and surrounding air. Do not apply on sun heated substrates, during strong wind, fog, high relative humidity, imminent rain or impending night frost.

■ Tool Cleaning

Clean tools immediately after use with water.

Advice

Melderfer Flat Facing Bricks are hand-formed and slightly varying in dimensions and shades.

To avoid local accumulation of one colour, go through various layers in the facing brick packages to achieve a good assortment of colours.

■ Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Small amounts of materials may be disposed of via household waste. Dispose of large quantities according to waste disposal code EWC 17 00 04 (mixed construction site and demolition waste).

■ Safety Advice

See Safety Data Sheets.

■ Supplementary Products

- Melderfer Ansatzmörtel 080 (adhesive mortar) / Colour: cement-grey, sand-white
- Melderfer Fugenmörtel 081 (joint filler) Colour: cement-grey
- Melderfer Zahnkelle 048 (toothed trowel)

■ Technical Assistance

As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries.



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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This Technical Information is a translation of the German Technical Information No. 071 Melderfer Classic 071-077, 085-087, release date: April 2004

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