

Fine marble plaster technique – exposed concrete look

Marmor-Feinputztechnik Sichtbetonoptik

with Creativ Sentimento 78 for individual, accentuated surfaces
with an exposed concrete look and and lively texture



The figure shows a variant of the creative technique in exposed concrete look with a lively texture and gives an impression of the surface effect which can be achieved. There is no guarantee that the exact color will be reproduced.

Substrate: smoothly filled and primed

Intermediate coat: Adhesion Primer ELF 3720, color shade 99.00.27

1st Decorating step: Creativ Sentimento 78, color shade 99.MI.06 *

2nd Decorating step: Creativ Sentimento 78 color shade, 99.MI.06

* Refer to "Concrete color shades" in Notes for suggestions of typical concrete color shades

Characteristics

Lime-based construction materials have a long tradition. The natural raw material lime is also becoming increasingly popular for creative wall design due to its positive properties. Creativ Sentimento 78 can be used to produce individual surfaces with a lively exposed concrete look. After drying, the surfaces have an iridescent surface effect with siliceous highlights. A lively, visually irregular, accentuated exposed concrete look can be achieved in this variant.

Field of Application

To produce high-quality, decorative designs with an exposed concrete look on interior wall surfaces. Primarily for a large-area creative wall design. Can be used in dry interior areas without exposure to moisture.

Implementation

Substrate condition

The substrate must be solid, dry, clean, load-bearing, uniformly absorbent across the entire wall material surface and be prepared and suitable for the subsequent creative technique.

Filling and priming

Careful filling with, e.g., a Mineral Hand Applying Light Filler 1886 is required to create high-quality creative techniques with Creativ Sentimento 78. Subsequently, prime the sanded, dust-free surfaces with Lacryl Deep Penetrating Primer ELF 595.

Intermediate coat

If necessary, apply Adhesion Primer ELF 3720, white or tinted depending on the implementation, with the Microfiber Paint Roller 1221 ensuring that it covers the entire surface without texture. Lightly sand the surfaces, as required. The given substrate situation is decisive for the 'necessity' of an "intermediate coat". Follow the instructions in the "Creativ Sentimento 78" Data Sheet.

1st Decorating step

Apply Creativ Sentimento 78 uniformly across the entire surface without flaws in a thickness of 1 grain with the Venetian Trowel 1764. Pre-smooth the wet layer in a criss-cross pattern or vertically with the trowel depending on the implementation. Apply only moderate pressure to avoid stripping off the fine plaster surface completely. After a controlled flash-off period, re-smooth the "damp" surface vertically with the Venetian Trowel 764, if possible without burrs.

The duration of the flash-off period (curing process) may vary depending on the object conditions. A longer flash-off period of approx. 30 minutes may also be required until the beginning of the smoothing process for the first application of Creativ Sentimento 78 on hardly or non-absorbent substrates, e.g., on surfaces primed with Adhesion Primer ELF 3720. Mechanically ablate the surfaces slightly after drying, e.g., with the Surface Filler Knife 1346, as required, so that coarse unevennesses and burrs are removed. The surfaces may also be sanded slightly with the Festool Rotex RO 150 E-Plus 3247 including dust extraction with a machine using coarse sand paper (grain size of 100), as required.

Application in partial areas and design elements (optional)

After the first decorating step has been completed, the creative technique may be applied either to the entire surface without interruptions or for a more realistic presentation of a concrete surface in individual partial areas.

Design elements such as lettering, ornaments or free forms can also be integrated into the creative technique.

Further implementation variants are described under "Notes".

2nd Decorating step

After drying, a second coat of Creativ Sentimento 78 is applied with the Venetian Trowel 1764 in a significantly greater layer thickness than described for the first decorating step (in at least a twofold grain thickness) The filler must be applied directionally, preferably "vertically". Re-smooth the surfaces in the same direction with the Surface Filler Knife 1828 immediately after the application to achieve a consistent layer thickness. Place the Quality Foil, Extra Strong 1574 into the "wet" surface and press on it with the Metallico Effect Trowel 1124 making sure that there are no folds. Then lay the Metallico Effect Trowel 1124 on top and move it once again vertically across the foil exerting pressure. Immediately afterwards, again remove the cover foil from the substrate in the previously stipulated direction. The application and processing of surfaces is performed from the top to the bottom without leaving any gaps. The surface should be divided into individual strips with a width of up to max. 1.5 m in order to allow the cover foil to be placed onto the wet surface. In this context, the individual partial areas must be treated very quickly.

After a controlled flash-off period of approx. 30 minutes, pre-smooth the still damp surfaces with the Surface Filler Knife 1828 in the same direction (e.g. vertically) and in conformity with the object conditions. The texture and porosity of the surface (the shrink hole effect) must be maintained to the greatest possible extent. After a further flash-off period, re-smooth the damp, but stable surface with the Venetian Trowel 1764.

Compacting (compressing)

After a further flash-off period of approx. 30 minutes and after approx. two-thirds of the worked surface has dried light and dark ("spotted" surface), the compression procedure must be initiated. The compression procedure is performed only with the edge of the Effect Trowel 1155. The edge of the trowel is drawn unsystematically in a criss-cross pattern across the surface from bottom to top with increased contact pressure. This reinforces the typical shading of the materials and the degree of gloss of the surface. Depending on the intensity of the compression, the siliceous mica is clearly emphasized and the typical glossy effect is achieved.

Polishing surfaces (optional)

The surfaces can be pre-polished after drying with abrasive discs with a grain size of 2,000 and repolished with a grain size of 4,000, as required. The additional polishing with fine abrasive discs smooths the raised structures in the surface. The additional compression with the fine abrasive discs significantly reinforces the effect of a subsequent impregnation even more.

Impregnation (optional)

After hardening is complete, the surfaces can also be impregnated. The impregnation of the surfaces with Creativ Hydro Impregnating Agent 81 reduces the absorbency and makes the surface less sensitive to the short-term impact of water. Application techniques with a non-compressed surface also undergo minor surface compaction. Follow the instructions in the "Creativ Hydro Impregnating Agent 81" Data Sheet.

Notes**Strips of masking tape**

The surfaces should preferably be remasked for each work step. Only attach strips of masking tape directly before each decorating step and remove them immediately afterwards.

Concrete color shades

The 99.MI.09, 99.MI.06, 12.MI.06, 03.MI.12 and 03.MI.09 grey color shades are especially suitable as typical concrete color shades for applying the fine marble plaster technique with an exposed concrete look in accordance with the "Creativ Mineral Wall Design" Color Card.

Full-surface implementation without surface division

To create contiguous areas without division, the implementation must be performed as follows. Treat the entire surface in individual vertical, irregular, floe-like fields. These fields must be applied one after the other wet in moist without any gaps (overlapping). The treatment of the surface, for example, begins in the top left corner. Apply and texture Creativ Sentimento 78 rapidly in the form of a vertical "floe" in the size of approx. 60 cm x 40 cm as described for the second decorating step. Apply the next partial area in the form of floes above and below this "floe". They are all implemented in vertical strips. In the process, shape the strip edges unevenly and connect them to one another so that they are overlapping. Lay the film on top immediately after applying a strip (max. 1.5 wide / 2.5 m high) and proceed as described for the second decorating step. This variant requires teamwork. The strips must generally be applied wet in moist. Surface-drying of the edges must be avoided.

Implementation in partial areas (Representation of individual concrete slabs)

The realistic presentation of a concrete surface is also supported by dividing it into partial areas. An authentic division should be implemented in large cuboid surfaces in portrait format (e.g. as representation of individual concrete slabs). Calculation in accordance with the "golden ratio", simplified in a ratio of 5:8, is suitable for a harmonious surface design. Carefully draw the division with a pencil after the first decorating step and mask the individual joints to the partial areas with Tesaflex Fine Line Tape 3008 at 3 mm or 6 mm. Remove the masking tape after the completion of the second decorating step. from the still damp surface. This also applies to the design with, e.g., inserted lettering.

A particularly certain procedure is to treat the partial areas individually and completely. Before beginning the second decorating step, mask the partial area to be treated with precise contours using Tesa Masking Tape Profi Plus 4306 plus Tesakrepp 4306. After the partial area has been treated, remove the masking tape and mask the connections (joints) to adjacent partial areas with Tesaflex Fine Line Tape 3008 at 3 mm and additionally with Tesa Masking Tape Profi Plus 4306 to again form precise contours. Only attach strips of masking tape directly before each filling procedure and remove them immediately after the treatment.

Chamfering edges

Before compressing the surfaces, the edges on the sides of the partial areas can be chamfered (broken) with the Dual Sanding Block 1353. Apply the sanding block at an angle of 45° and break the still "damp" edge.

Additional design elements (optional)

Lettering, ornaments and free forms can be integrated into the surface as additional design elements by masking. After completing the first decorating step, mask the element to be designed with masking tape, e.g., Tesa Masking Tape Profi Plus 4306, Tesaflex Fine Line Tape 3008 or a suitable moisture-resistant plotter film on the dry first layer. Remove any fine unevenness beforehand and smooth the masking tape slightly with a soft cloth. After completing the second decorating step, remove the masking tape carefully from the "damp", but stable surface. The design elements become apparent after completion in relief and can also be visually enhanced by choosing a lighter or darker color shade for the completion of the first decorating step.

Additional effect through "flaws"

In order to simulate an even more authentic representation of a concrete surface, additional "flaws" can be created in the surface. To achieve this, place the Metallico Effect Trowel 1124 flat on the still damp, but stable surface in selected positions subsequent to the second decorating step and before the compression. Press the trowel blade onto the surface with small, jiggling movements under pressure and remove it with a jerk. Some parts of the render layer of Creativ Sentimento remain stuck to the trowel. Re-smooth the fractured plaster directionally on the edges of the "flaw" directly with the Effect Trowel 1155. The number and distribution of the created flaws are to be specified individually.

Assessing the test areas

The description of how this technique is performed is a tried-and-tested standard method which can be modified and expanded according to the user's own creativity.

The overall appearance of a creative technique is determined by the color shade selection, the respective implementation of the technique and the user's individual style. We recommend performing an assessment of the overall appearance based on test areas.

Further specifications

For further product information, read and follow the instructions in the Data Sheets of the products to be used.

Remark

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List of materials and tools

Fine marble plaster technique exposed concrete look with Creativ Sentimento 78

• Filling and priming the substrate

Material/Tool	Consumption
Mineral Hand Applying Light Filler 1886	approx. 1.0 l/m ²
Lacryl Deep Penetrating Primer ELF 595	approx. 150 – 200 ml/m ²

• Intermediate coat

Adhesion Primer ELF 3720	approx. 130 ml/m ²
Microfiber Paint Roller 1221	

• 1st Decorating step

Creativ Sentimento 78	approx. 750 g/m ²
Venetian Trowel 1764	

• Division in partial areas (optional)

Tesa Masking Tape Profi Plus 4306	as required
Tesaflex Fine Line Tape 3008	as required

• 2nd Decorating step

Creativ Sentimento 78	approx. 1800 g/m ²
Quality Foil, Extra Strong 1574	
Venetian Trowel 1764	
Surface Filler Knife 1828	
Metallico Effect Trowel 1124	

• Compacting (compressing)

Effect Trowel 1155	
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• Polishing (optional)

Abrasive disks with grain size 2,000 and 4,000	
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• Impregnation (optional)

Creativ Hydro Impregnating Agent 81	approx. 120 – 150 ml/m ²
Paint Brush, oval 1175	

• Additional Material (for scraping)

Surface Filler Knife 1346	
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