TSM

Trass smoothing and modelling plaster

Finish coat for external and interior use

Finishing Plaster Mortar CR CS II acc. DIN EN 998-1

APPLICATIONS

- thin-layer smoothing plaster for mesh fillers
- for individual surface design (felted, textured, washed out)
- finish plaster on mineral subsurfaces, for indoor and outdoor applications
- for going over old load-bearing plaster
- not suitable for thermal insulation composite systems

PROPERTIES

- smooth and easy to process
- water-repellent
- UV and weather resistant
- behaviour in fire A1 - non-flammable
- highly water vapour permeable
- low-stress hardening characteristics
- uniform and attractive felt finish
- good adhesion

COMPOSITION

- trass in accordance with DIN 51043
- white cement in accordance with DIN EN 197-1
- calcium hydroxide in accordance with DIN EN 459-1
- finely fractionated, crushed limestone sand
- finely fractionated silica sand
- additives for regulating and improving workability and product properties
- additives for improving bonding to the subsurface

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Sievert Baustoffe GmbH & Co. KG | Mühleneschweg 6 | 49090 Osnabrück
Tel +49 541 601-01 | Fax +49 541 601-853 | www.tubag.de | info@tubag.de

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SUBSTRATE

General	■ base plasters or reinforcement plasters bound with lime, lime-cement or cement
Properties/tests	■ For assessing the plaster primer, VOB/C DIN 18350, Section 3, DIN EN 13914-1/13914-2 as well as the plaster standard DIN 18550-1/18550-2 should be observed. ■ The subsurface must be even, dry, clean, load-bearing, absorbent and free of adhesion impairing residues, efflorescence and sinter skins. ■ The load-bearing capacity, particularly of old plaster and old paintwork, must be properly tested (e.g. by carrying out a pull-out test or cross-cut test).
Pretreatment	■ Allow the base plaster to cure for at least one day per mm thickness of base plaster layer before applying the plaster. ■ On lime plaster and lime-cement plaster, a suitable primer is recommended to make the absorbency more uniform.

PROCESSING

Temperature	■ Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.
Mixing / Preparation / Processing	■ Suitable for processing by hand, or with conventional plastering machines. ■ When mixing by hand, take a clean container and add the amount of water specified in the technical data. Then sprinkle the dry mortar into the water. Use clean tapwater. ■ Use a suitable agitator to mix the material until smooth and free of lumps. Leave to develop for a moment and then mix again. ■ Do not mix with other products and/or other substances. ■ When machine-processing: Adjust the amount of water accordingly to obtain a workable consistency. ■ If the work is interrupted for longer periods, then clean the plastering machine and mortar hoses.
Applying	■ Apply material as a finish coat in layer thicknesses from 3 to 10 mm. ■ Depending on the desired texture, shape freely or wash out. ■ Apply material as reinforcement plaster in layer thicknesses from 3 to 5 mm. ■ Pull the reinforcement mesh tight and inlay crease-free in the top third of the plaster layer. The individual fabric strips must overlap one another by at least 10 cm and be covered with reinforcement mortar. ■ For going over facades, apply material in plaster thicknesses up to 10 mm.
Processing / Working time	■ approx. 60 minutes ■ The stated times apply for a temperature of +20°C and relative humidity of 65%. ■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
Drying / Hardening	■ To prevent the plaster from drying out too quickly at higher temperatures, the plastered area should be kept moist for at least three days. ■ If the weather conditions are unfavourable (e.g. driving rain, frost, strong sunlight and/or winds), then suitable protection measures must be taken, particularly in the case of freshly coated surfaces. ■ The drying and hardening process will be slowed down by low temperatures and/or high air humidity and accelerated by high temperatures and/or low air humidity.
Subsequent coating / Suitability for coating	■ Mineral finish plasters must always be given a coat of colour-balancing paint. ■ Two coats will be needed on exposed parts of buildings (e.g. the weather side) or if the paint colour differs from the plaster colour. ■ The plaster surface must be sufficiently hard and completely dried through before coatings are applied. You must wait at least one day per mm of plaster thickness.
Cleaning the tools	■ Clean all tools and equipment with water immediately after use.

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PROCESSING

Notes

- Always apply the plaster “wet in wet” to prevent flaws in the textured finish and avoid the creation of joints. When plastering larger areas, make sure that a sufficient number of skilled workers are deployed.
- Carefully cover neighbouring areas and components (such as windows and window sills) to protect them. Clean off any splashes or impurities immediately with water.
- Observe the leaflet: “Egalisationsanstriche auf Edelputzen” (Colour-balancing paint on finish plaster) from the Industrieverband WerkMörtel e.V.
- Differences in the texture and/or colour of the finished surface compared to sample areas or colour charts may occur.
- In the case of washed out plaster textures or finish plasters with a grain size less than 2 mm, we recommend an additional reinforcement plaster layer with textile inlay across the entire area in order to reduce the risk of cracking. The same applies in the case of colouring with a lightness value of less than 20.

PACKAGING

- 25 kg/sack

STORAGE

- Store sacks appropriately and in dry conditions on pallets.
- can be stored in sealed original container/bag for at least 6 months from manufacturing date

QUANTITY REQUIRED / YIELD

- consumption: approx. 6 kg/m² per 5 mm plaster thickness
- yield: app. 21 l fresh mortar per 25 kg/sack

TECHNICAL DATA

Product type	Finishing plaster mortar (CR) to EN 998-1
Category	CS II
Water required	approx. 6.5 l/sack
Dry bulk density	approx. 1.7 kg/dm³ according to EN 1015-10
Compressive strength	1.5 - 5 N/mm²
Capillary water absorption	W_c2 according to EN 998-1
Water vapour permeability μ	5/20 (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.45 W/(mK) (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0.49 W/(mK) (table value EN 1745)
Adhesive tensile strength	≥ 0.08 N/mm² (with fracture pattern A, B or C)

All of the data provided represents average values that have been determined under laboratory conditions at 23°C and 50% relative air humidity according to the applicable standards and application tests. Deviations under practical conditions are possible.

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SAFETY AND DISPOSAL INSTRUCTIONS

Safety	■ This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes. ■ Specifications regarding the classification and labelling of the product can be found in the safety data sheet at www.quick-mix.de.
GISCODE	■ ZP1 (products containing cement, low-chromate)
Disposal	■ Dispose of the material in accordance with the official regulations. ■ Completely empty packages can be recycled. ■ Leftover material can be disposed of in accordance with the German Waste Catalogue Ordinance under waste code number 17 01 01 (concrete) or 10 13 14 (concrete waste and concrete slurry).

GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.