AP-S

Levelling plaster, rapid

strasser PLAN
LEVELLING COM-POUNDS

Fast-setting, cementitious, stable, high-yield renovation plaster

- can be laid with ceramic surfaces after approx. 3 hours
- with early, rapid crystalline water binding
- layer thickness 5 – 40 mm

Lightweight plaster mortar LW CS IV acc. EN 998-1

Applications

- for smoothing, improving and skimming wall surfaces
- for manual application
- not suitable for permanently wet areas
- for interior use

Properties

- tension-free defined curing process
- tempered for better bonding
- can be spread thinly to start with
- mineral
- vapour-permeable
- hydraulically curing and hardening
- high yield
- rapid hardening

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Composition

- Special cements
- finely fractionated, crushed limestone sand
- Mineral lightweight aggregates
- additives for regulating and improving workability and product properties
- additives for improving bonding to the subsurface

Substrate

Suitable substrates

- Concrete
- sand-lime bricks
- Masonry or wall elements made of lightweight concrete with a thermal conductivity > 0.11 W/(mK)
- Aerated concrete
- Solid brickwork
- Lightweight vertical coring bricks, unfilled or with insulating material filling
- old load-bearing, cement-bonded plasters

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

- Non-load-bearing coatings must be completely removed.
- Existing gypsum-based plaster must be completely removed down to the masonry.
- Cement-based old plaster, also with tile adhesive residue, can be gone over with filler.
- Existing substrates when repairing or renovating are to be primed as a matter of principle with strasser PRIM DTG dispersion deep primer or strasser PRIM DG-S dispersion primer, rapid.
- Prime mineral substrates with strasser PRIM DTG-P Dispersion Depth Primer Premium or strasser PRIM UG-P Universal Primer Premium.

Processing

Temperature

- Do not apply and allow to dry / set at air, material and substrate temperatures below +5°C and with expected night frost as well as above +25°C, direct sunlight, strongly heated substrates and/or strong wind effects.

Mixing / Preparation / Processing

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- When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.
- 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.

Applying
- Apply material in layer thickness of 5 – 40 mm.
- On small, locally restricted areas, the maximum permissible thickness of the applied layer is 50 mm.
- The minimum layer thickness for working onto existing areas may be lower in small areas.
- Subsequent work is possible after approx. 1 hour.

Processing / Working time
- approx. 30 minutes
- The stated times apply for a temperature of +20°C and relative humidity of 65%.
- The processing time will be extended at low temperatures and/or high air humidity and shortened at high temperatures and/or low air humidity.
- Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.

Drying / Hardening
- Protect from drying out too quickly as a result of sun, wind or draughts.

Subsequent coating / Suitability for coating
- Suitable as a base plaster beneath ceramic tiles and panels with a weight per unit area of up to 50 kg/m², including adhesive.
- Ready for laying ceramic coverings after approx. 3 hours.
- In moist and wet domestic rooms, a composite sealant is to be provided under tiles and slabs in water exposure category W1-I pursuant to DIN 18534 (moderate effect).
- The application of a cementitious sealing slurry can take place after approx. 3 hours.
- Composite waterproofing such as strasser DA-P Dispersion Waterproofing Premium, strasser VAB Composite Waterproofing Membrane or strasser PA PU Waterproofing can be applied after approx. 24 hours.
- Natural stone coverings that are insensitive to moisture and/or discolouration can be laid after 24 hours.
- In the case of natural stone coverings that are sensitive to moisture and/or discolouration, wait for the substrate to dry completely. A standing time of at least 1 day per mm plaster thickness must be observed.
- All types of mineral finishing plaster and organically bound plasters, such as silicate, silicon resin or emulsion plasters, may be applied as finish plaster.
- 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.

Notes
- If tiles are to be laid on the surface, then strike off the plaster surface evenly and cleanly using a rod/plasterer's float. Do not smooth or felt the surface of the plaster.
- Adjacent surfaces and components (e.g. windows, window sills, etc.) must be protected by suitable measures. Immediately wash off any contamination with water.
- In interior rooms, start up the heating system slowly to increase the room temperature gradually.

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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 12 months from manufacturing date

Consumption

- consumption: approx. 11 kg/m² per 10 mm plaster thickness
- yield: app. 24 l fresh mortar per 25 kg/sack

Technical Data

Product type	Lightweight plaster mortar (LW) in accordance with EN 998-1
Category	CS IV
Compressive strength	≥ 6.0 N/mm²
Grain	0 – 1 mm
Layer thickness	5 – 40 mm
Water requirement	ca. 8,5 l per 25 kg/sack
Mixing time	approx. 2 minutes
Maturation time	approx. 3 minutes
Processing time	approx. 30 minutes
Ready for covering with ceramic tiles	after approx. 3 hours

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

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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.
- Further instructions in the safety data sheet under www.strasser-systeme.de.

GISCODE

- ZP1 (products containing cement, low-chromate)

Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

General Information

This information sheet provides only general recommendations. If you have any questions when it comes to the actual application, please consult our responsible Technical Sales Adviser or our Service Hotline tel. +49 541 601-235. 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.

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