

SEP 01 / 02 / 03 / 04

Factory dry mortar as per DIN 18557 and DIN EN 998-1, mineralic final render for manual and machine application.

Use

- Render mortar for use inside and out on walls, ceilings, and dividing walls.
- Mineralic classic render as a topcoat (render finish) for all usual mineralic substrates, renovation renders, putties and external wall insulation systems.
- To create decorative, white or coloured render topcoats with a disc or scratch texture
- System component of the Baumit external wall insulation systems.

Properties

- Easy to apply, smooth, mineralic, machine-applicable, well-structured classic render.
- Different textures are possible through different grain sizes of 1, 2, 3 and 4 mm.
- Once hardened, the product is weather and frost-resistant and not easily dirtied. Not flammable, vapour and CO₂-permeable.

Yield/Consumption

Product type:	SEP 01	SEP 02	SEP 03	SEP 04
Grain size [mm]:	0 – 1	0 – 2	0 – 3	4.5
Water requirement [l/bag]:	6.5 – 7.5	6.0 – 7.0	6.0 – 7.0	5.5 – 6.5
Consumption ca. [kg/m ²]:	2.2/2 mm	3.3/2 mm	4.0/3 mm	5.5/4 mm
Yield ca. [m ² /bag]:	11,4	7,6	6,3	4,5
Minimum thickness:	Grain size but minimum of 2 mm			

Technical Data

Mortar group:	Classic mortar CR P II as previous DIN V 18550
Strength:	CS II as per DIN EN 998-1
Compressive strength:	> 1.5 – 5.0 N/mm ²
Bond strength:	≥ 0.08 N/mm ²
Thermal conductivity $\lambda_{10, dry}$: (Table value as per DIN EN 1745)	≤ 0.82 W/(m K) (for P = 50 %) ≤ 0.89 W/(m K) (for P = 90 %)
μ -value:	≤ 20
Water uptake:	W 2 as per DIN 998-1
Fire resistance:	A1, not flammable
Colours:	White and colours of the Baumit Life® Colour range

The performace explanation can be found here: www.dopcap.eu if password is given.

Components

White lime (Building lime), white cement, sands and additives to improve application and adhesion. Coloured classic renders also contain lime, cement and light-fast pigments.

Substrate

The substrate should be load-bearing, frost-free, free from bubbles and free from any conditions that reduce adhesion (dirt and dust). The basecoat or surface to be rendered should be even, well roughened and sufficiently dry (setting time 1 day/mm render thickness). Smooth concrete substrates should first be coated with adhesive (e.g multiContact MC 55 W). Basecoats and fillers should be pre-treated with PremiumPrimer DG 27 (on gypsum-based substrates and new gypsum boards undiluted; if there is danger of bubbles or colour variation on old gypsum boards, then use SperrGrund). Allow a minimum of 24 hours for prime coats to dry. Strengthen sandy substrates with Baunit ReCompact.

Application

Mix SEP with equal amounts of water in a tumbler machine (mortar trough with a slow running stirrer) or mixer to produce a consistency that can be worked with. We recommend using a render or mixing machine when applying to large areas (Auger on half or full speed). Only mix with clean water.

Ensure machines, containers and tools that are used to mix and apply are clean. Apply SEP with a stainless steel trowel and pull over the grains (SEP 01 minimum 2 mm) or spray with a suitable render machine and remove to grain size. Then rub using a plastic trowel in circular motion. If using SEP on DämmPutz DP 85: apply multiContact MC 55 W (ca. 5mm thick) to Dämmputz before rendering. DämmPutz DP 85 should be thoroughly hard (minimum drying time: 10 days). Apply evenly and without break. Ensure no scaffold marks appear by offsetting the scaffold and working within them.

Mineralic classic renders should always be painted to finish (a façade protective coating).

Notes

Protect from strong sunlight until completely dry (scaffold nets). If drying too quickly (wind, sun) wet once or twice. High air humidity and low temperatures can extend the drying time. Unevenness in the substrate (texture, absorption rates, weathering conditions) can lead to differences in colour (patches).

If using render beads/profiles, use stainless steel profiles and install with VarioSpeed mortar (no gypsum). Final façade render coats with grain size of under 2mm should have a coat of multiContact MC 55 W applied to the basecoat.

Protect neighbouring areas (glass, ceramic, metal etc).
Clean tools immediately after use.

To avoid colour variations, place one order for the whole project. We can make part order deliveries. If this is not done, mix newly delivered product with the previously delivered product. When using on EWI (external wall insulation systems) or insulating renders, take note of light values (not below 20).

Notes

When using several pallets of the same material, apply alternate bags. Textural differences, natural raw material variations and the application and drying conditions can lead to variation in colour tone when compared with samples or colour charts. This is no reason for a complaint about the product.

Take note: The consumption rates quoted are based on **minimum consumption values** based on application to even, primed substrates. Uneven, unprimed substrates will lead to higher consumption rates.

Do not work with the material or let it dry if the substrate and air temperature are below + 5 °C and over + 30 °C. Observe DIN EN 998-1, DIN 18550, DIN 18350 (VOB, Part C) as well as the special terms of the 'general construction authorities' approvals' (abZ).

If you need further information about this material or its handling, consult with our outside service experts about the details and the materials.

Delivery

Paper bags, contents 25 kg (42 bags per pallet = 1,050 kg)

Storage

Store for up to 12 months, if protected and kept dry.

Quality Assurance

Constant monitoring and control of the quality, and strict receiving inspections of all raw materials. The company has a TUV-tested and certified quality management system in adherence to the global DIN EN ISO 9001 standard, as well as a TUV-tested and certified environmental management system in adherence to the valid DIN EN ISO 14001 standard.

Classification as per GHS-regulation

See safety datasheet (www.baumit.com)

Our recommendations for applications which we give to support the purchasers/handlers from our experience, corresponds to current science and practice. The advice is non-binding, and forms no contractual, legal relationship and no additional obligations in the purchase contract. The advice does not release the purchaser from examining our products for their suitability for their foreseen uses. The general rules of construction equipment must be adhered to. We reserve the right to make changes which serve to provide technical progress and improve the product or its use. When such technical information appears, earlier information is no longer valid. You can find the most current information on our Internet pages. Only our current sales and supply conditions as well as provisions for the placement and use of our silos and mixing facilities apply for all business cases.

Baumit Ltd

Unit 2, Westmead, New Hythe Lane, Aylesford, Kent, ME20 6XJ

sales@baumit.co.uk www.baumit.com