



# Baunit SEP 01-04

## Topcoat render

**Product** Factory prepared dry powder mortar in accordance with EN 998-1. Mineral based decorative topcoat render for thin coat application for internal and external areas. Suitable for hand or machine application.

**Composition** White lime, white cement, sand and additives to improve workability and adhesion. Coloured Baunit SEP contains additional lime, cement and light fast pigments.

**Properties** Mineral based, weather resistant, water vapour and CO<sub>2</sub> permeable, stain resistant, and easy to use. Different grain sizes, 1mm, 2mm, 3mm and 4mm, gives a choice of wet dash or dragged grain textures.

**Intended use** A topcoat render providing decoration and protection to facades and internal areas. For application over lime and cement render basecoats, contact mortars, EWI basecoats, concrete surfaces and gypsum plaster and gypsum plasterboard.

**Technical data**

Designation:	CS II acc. to EN 998-1
Aggregate size:	1.0/2.0/3.0/4.0 mm
Compression strength:	> 1.5 – 5.0 N/mm <sup>2</sup>
Thermal conductivity λ <sub>10, dry</sub> :	≤ 0.89 W/mK (P = 90%, tabulated) ≤ 0.82 W/mK (P = 50%, tabulated)
Bond strength:	≥ 0.08 N/mm <sup>2</sup>
Water vapour diffusion resistance μ:	≤ 20
Capillary water absorption :	W 2 (EN 998-1)
Minimum layer thickness:	applied to grain size (min. 2 mm)

ScheibenPutz SEP	SEP 01	SEP 02	SEP 03	SEP 04
Grain size [mm]:	0 - 1	0 - 2	0 - 3	0 - 4
Water requirement [l/sack]:	6.5–7.5	6.0 – 7.0	6.0 – 7.0	5.5 – 6.5
Consumption ca. [kg/m <sup>2</sup> ]:	2.2/2 mm	3.3/2 mm	4.0/3 mm	5.5/4 mm
Yield ca. [m <sup>2</sup> / sack]:	11.4	7.6	6.3	4.5

The consumption rates serve for guidance only. An allowance of 10% more consumption should be calculated in practice.

**Health and safety**

Hazard label:		Xi irritant
R-phrases:	R 36/38 R 41 R 43	Irritates the eyes and skin Risk of serious eye damage Contact with skin can cause sensitisation
S-phrases:	S 2 S 24/25 S 26 S 37/39	Keep away from children Avoid contact with skin and eyes In case of eye contact, rinse with plenty of water and see medical assistance Wear suitable protective clothing and safety goggles

Low Chromate content according to TRGS 613

**Storage** Store in dry, cool conditions, free from frost in sealed tubs. Shelf life 12 months.

**Quality assurance** In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.

**Packaging** Sacks 25 kg. 1 pallet = 42 sacks = 1050 kg.

**Substrate** Substrates must be sound, clean, dry, free from frost, dust efflorescence and not hydrophobic. Render basecoats must be flat, well keyed, dry and fully cured. Allow for drying times of 1 day per mm thickness for render base coats. Smooth concrete surfaces should receive a keyed bonding coat using a suitable contact mortar (for example Baunit MC 55 W or StarContact). Backgrounds at risk of leaching and staining (plasterboard, nicotine stains etc) must be sealed with

### Application

Baumit SperrGrund (2 coats). Friable basecoats must be treated with Baumit PutzFestiger stabiliser. Allow to dry for 24 hours.  
Refer to Baumit for advice regarding other substrates and substrate preparation.

High suction substrates, gypsum plasters and plasterboards should be primed with a full and even coat of Baumit PremiumPrimer DG 27 (undiluted) before applying Baumit SEP. Allow to dry for 24 hours. Refer to Product Data Sheet.

#### Mixing:

Baumit SEP powder must be well and slowly mixed in a tub of clean water with an electric hand mixer to a creamy workable consistency.  
Automated continuous horizontal mixers may also be used. For small areas the mixed render can be manually applied. For larger areas the fresh render can be fed into a mortar pump for spray application. Alternatively, mortar mixing pumps provide an all-in-one mixing and spraying solution.

#### Application:

Baumit SEP topcoat render is applied onto the substrate to the required thickness and trowelled through to the grain thickness to produce a full and even coat. The surface is then textured using a coarse sponge float or plastic float according to desired finish, moving in tight circular motions. Baumit SEP is suitable for freestyle texturing and soft brushing with a little water.

Baumit SEP should be applied systematically and continuously in complete sections.

**It is recommended that all Baumit mineral renders are treated with two coats of a suitable paint (for example Baumit ArtLine Silicon) to protect against variations in appearance due to differential drying out and weathering of the facade.**

### Further information

The air, material and background temperature must be above +5° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets). High air humidity and low temperatures can prolong drying times considerably.

Coloured products from different batches must be mixed together prior to application.

Colour tone development can be affected by the background conditions, temperature and air humidity level

The sands used in the Baumit facade renders are natural products. On occasion some of the sand grains may appear slightly darker. This does not in any way constitute a problem with quality of the product, but may represent a faint optical detracting, due to the natural properties of the raw materials.

A Light Reflectance Value lower than 25 must not be used for application on to External Wall Insulation systems.

Baumit SEP should be left to dry for at least 5 days ( at +20 C° and 60 % rel. humidity) before receiving any further coatings.

Protective measures: Protect eyes and skin, and surrounding areas, especially glass, ceramic, brick, natural stone, varnishes and metals. Wash away any splashes with plenty of water. Do not allow to dry and harden.

Clean tools and equipment thoroughly with water immediately after use.

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The information contained in this product data sheet together with any additional written or verbal information provided by Baumit is based on Baumit's previous experience of this product and reflects Baumit's current understanding of the properties of the product. However, the Customer acknowledges that the advice given in this product data sheet is not intended to be legally binding nor to create any obligation which is legally enforceable against Baumit. It is the customer's responsibility to make its own enquires and investigations into the properties and use of this product and to verify that the product is fit for the customer's intended use. Baumit reserves the right to make changes to the product without prior notice.

**Baumit UK Ltd** 4200 Waterside Centre, Solihull Parkway Birmingham Business Park, Birmingham. B37 7YN  
tel.: +44 (0) 333 358 3434, email: info@baumit.co.uk, web.: www.baumit.co.uk