

Baumit Sanova SP 64 F



- Product:** Hydrophobic, factory prepared dry powder mortar. Certified renovation rendering mortar acc. to WTA for manual and machine application.
- Use:**
- For renovating damp, salt-contaminated masonry (e.g. nitrates, chlorides or sulphates) and wet rooms (laundries, public showers etc.) in new or old buildings.
 - Condensation problems should be tackled with other measures such as thermal insulation improvements.
 - Baumit Sanova SP 64 F is suitable as a basecoat and topcoat rendering for external areas including splash zones (plinths) and internal areas.
 - The fine aggregate is ideal for a plain sponge-float finish or fine, freestyle textures.
- Properties:**
- Mineral based renovation rendering mortar.
 - Conforms to WTA Guidelines "Renovation Render Systems".
 - Tested for toxins.
 - High porosity concentration provides a reliable salt retention capacity.
 - High water vapour permeability enables rapid diffusion of moisture from masonry.
 - Good hydrophobic properties prevent unsightly damp patches or salt stains from forming on the render surface.
- Technical Data:**
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| Strength class: | CS II acc. to DIN EN 998-1 |
| Compression strength: | 1.5 – 5.0 N/mm ² acc. to WTA |
| Aggregate size: | 0 – 1.2 mm |
| Water vapour diffusion resistance μ : | ca.7 |
| Porosity: | > 40 % |
| Capillary water absorption W24: | > 0.3 kg/m ² acc. to WTA |
| Thermal conductivity λ , 10, dry, (tabulated EN 1745): | ≤ 0.93 W/mK (für P = 90 %)
≤ 0.83 W/mK (für P = 50 %) |
| Water requirement: | 6 – 7 l/sack = 170 - 200 l/t |
| Consumption: | ca. 1.2 kg/m ² /mm thick |
| Yield: | ca. 1.9 m ² /bag/15mm |
- Composition:** Sand, lime, cement and additives to enhance special physical properties and improve workability and adhesion.
- Health and safety:** A Material Safety Data Sheet is available on request.
- Packaging:** Paper bags, 35 kg. 1 pallet = 36 bags = 1260 kg
- Storage:** Store in dry conditions and protected on pallets for up to 6 months.
- Quality Assurance:** Continual monitoring and inspection of the quality of all raw materials upon reception. The manufacturer has a TÜV tested and certified Quality Management System in accordance with the international standard EN ISO 9001 and a TÜV tested and certified Environmental Management System in accordance with the international standard EN ISO 14001.

Substrate:

Remove old render up to 1 metre above the level of dampness.

Rake out friable mortar joints 20-30mm deep. Remove dirt, dust and bitumen. Remove and replace loose or damaged masonry.

Thoroughly clean masonry (compressed-air guns or wire brushing etc). Dampen high suction backgrounds with clean water. Where appropriate apply a sporadic coating of Baunit Sanova SV 61 spatterdash mortar to improve adhesion and equalize background suction.

Rubble stone masonry must always receive a spatterdash coating. Gypsum masonry units require a full spatterdash coating. Good adhesion to the background must be achieved.

Renovation render systems alone will not provide a satisfactory solution for hydrostatic issues.

Application:

Refer to the salt analysis and procedure documentation.

Do not mix Baunit Sanova SP 64 F with other materials.

The product is mixed with clean water in a tub to a lump free, creamy consistency with an electric hand mixer for no longer than 3 minutes. Overmixing will reduce the mortar strength. Do not remix material which has set.

Alternatively, standard mortar mixing pumps such as Putzknecht S 48, m-tec M 3 and Gipsomat can be used with secondary mixer and/or air-entraining rotor and stators to mix and spray apply the product. Do not use gravity mixers, drum mixers or machines which will increase porosity (eg Rotoquirl, airmix etc) or force feed mixers (B Putzmeister P 13, P11, Putzknecht S 80).

Spray or hand apply the Baunit Sanova SP 64 F on to the substrate to the required thickness. Rule off with a straight edge, filling in any undulations to produce a smooth flat layer.

For multiple coatings of Baunit Sanova SP 64 F, key the surface of each coating with a plasterer's comb or stiff brush. Allow drying time (1 day/mm thickness) between coats and remove any efflorescence with a dry brush.

Finish off the final coating with a sponge float or scrape the surface to receive a Baunit decorative topcoat render.

Minimum thicknesses:

- 20mm (2 coats at 10 mm per coat) for sulphate and chloride contamination.
- 30mm (2 coats at 15mm per coat) for nitrate contamination.

Each layer of a multiple coat system must be at least 10 mm and not more than 20 mm thick to avoid shrinkage cracks. Allow sufficient drying time between coats (1day/mm thickness).

Notes and General Information:

Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets) until fully cured. In hot and/or windy weather dampen the finished work at regular intervals with a water mist sprayer to aid hydration.

High air humidity and low temperatures can prolong drying times considerably. Dehumidifiers and/or carefully controlled heating and ventilation is required in damp rooms (e.g. basements with a relative humidity above 65%) to enable the renovation coatings to dry out with 10-14 days.

The occupier should be advised that rooms will require adequate heating and ventilation for future use.

Clean tools immediately with clean water after use. Use only water vapour permeable coatings acc. to WTA-Data Sheet. Recommended Baunit exterior paints: Baunit NanoporColor, Baunit Artline Silicat or Baunit Artline Silicon. Interior paints: Baunit Artline Silicatin or Baunit Artline Siliconin.

The air, material and background temperature must be above +5°C and below +30°C during

application and curing. Observe the WTA guidelines and DIN EN 998-1, DIN V 18550 and DIN 18350 (VOB, Part C).

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.