Baumit Sanova SP 64 G

Product:	Hydrophobic, factory prepared dry powder mortar with active production of breathable pores. Certified renovation rendering mortar according to WTA for machine application without additional equipment.
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 G is suitable as a basecoat and topcoat rendering for external areas including splash zones (plinths) and internal areas. ▪ The coarse aggregate is ideal for greater coating thicknesses and producing a rough plain or textured finish.
Properties:	▪ Mineral based renovation rendering mortar which performs well even with hand application. ▪ Conforms to WTA Guidelines “Renovation Render Systems”. ▪ High porosity concentration formed through a patented self-foaming effect (Pat.No.: DBP 4035236.6-45) 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. ▪ Coarse aggregates ensure low stress curing.

Technical Data:

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 – 4 mm
Water vapour diffusion resistance µ:	ca.8
Porosity:	> 40 %
Capillary water absorption W24:	> 0.3 kg/m^2 acc. to WTA
Thermal conductivity λ,10,dry,:	≤ 0.93 W/mK (für P = 90 %)
(tabulated EN 1745)	≤ 0.83 W/mK (für P = 50 %)
Water requirement:	6 – 7 l/sack = 170 - 200 l/t
Consumption:	ca. 1.3 kg/m^2/mm thick
Yield:	ca. 1.8 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.

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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 Baumit 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 Baumit Sanova SP 64 G 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 (Putzmeister P 13, P11, Baumit Putzknecht S 80). Spray or hand apply the Baumit Sanova SP 64 G 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 Baumit Sanova SP 64 G, 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 Baumit 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 the 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.

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

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