



TECHNICAL DATA SHEET

30069

WDVSMART

MINERALPUTZ

AREA OF APPLICATION

High-quality mineral finishing render with high whiteness. Weather-resistant and permeable to water vapour. Suitable for exterior and interior use.

PROPERTIES

- Weather-resistant
- High water vapour and carbon dioxide permeability
- Can even be used for decorative surfaces
- Can be used in plinth areas with subsequent coating
- With genuine, natural marble grain

COLOUR SHADE: white (limited tintability in the factory)

CONTAINER: 25 kg

COVERAGE:

Version	Coverage
K 1.5	2.5 kg/m ²
K 2.0	3.2 kg/m ²
K 3.0	4.2 kg/m ²
R 1.5	2.5 kg/m ²
R 2.0	3.4 kg/m ²
R 3.0	4.5 kg/m ²
MP	Based on texture

TECHNICAL DATA:

Fire classification K	EN 13501-1	A1
Fire classification R/MP	EN 13501-1	A2-s1, d0
Diffusion-equivalent air layer thickness	EN ISO 7783	< 0.03 m

AREA OF APPLICATION

GENERAL RULES:

The substrate must be prepared and the work performed in accordance with the state of the art. All coatings and preliminary work should always be geared

towards the project and the requirements it is exposed to. Please also observe the current BFS data sheets, published by the German Federal Committee for Paints and the Protection of Objects, as appropriate for the type of use and the substrate: BFS data sheets 9 (for coatings on external render), 13 (for coatings on brick fair-faced masonry), 14 (for coatings on fibre cement boards and asbestos-cement boards), 19 (for cracks in external render (coating and reinforcement)), 19.1 (for cracks in rendered and non-rendered masonry), 20.1 (for the assessment of substrates for rendering and plastering), 21 (technical directives for the application of external wall insulation systems). Also see German construction contract procedures (VOB), Part C, DIN 18363, Paragraph 3 "Painting and coating work".

Treating/removing layers of paint by sanding, welding, burning off, etc. can cause harmful dust and/or vapours. Only carry out work in well-ventilated areas. Use appropriate breathing apparatus/protective equipment, if necessary. All substrates must be clean, dry, load-bearing, and free from release agents. Substrates must be checked in terms of their load-bearing capacity and suitability for subsequent coatings. If necessary, create a test surface and test the adhesion.

SUBSTRATE

Suitable for use on mineral substrates in interiors and exteriors. Not for surfaces with standing water, horizontal plaster/render surfaces, or plaster/render surfaces with slight inclination. Substrates that are vulnerable to efflorescence, as well as plastic and timber, are not suitable.

SUBSTRATE PREPARATION:

The substrate must be even, dry, clean, and load-bearing, as well as free from efflorescence and release layers; non-load bearing coatings and loose parts must be removed. A priming coat might be necessary depending on the structure of the substrate. SÜDWEST WDVSmart PutzGrund is necessary as an intermediate coat and should be adapted to the colour shade of the finishing plaster/render. Do not exceed the light reflectance value of 20 % when using external wall insulation systems as a substrate.

HIGHLY ABSORBENT SUBSTRATES:

Optionally prime with SÜDWEST InnenGrund, Hydrogrund, or SÜDWEST ThixGrund (depending on the area of use) and treat the substrate accordingly.

MOULD-INFESTED SURFACES:

Pre-treat with SÜDWEST Schimmel-Fresser or SÜDWEST Fungan, read the associated technical documentation.

SURFACES EXPOSED TO ALGAE ATTACK:

Pre-treat with SÜDWEST Schimmel-Fresser or SÜDWEST Fungan, read the associated technical documentation.

SURFACES STAINED WITH NICOTINE, WATER, SOOT, OR GREASE:

Wash surfaces with a mixture of water and a household cleaning agent with degreasing properties, allow to dry thoroughly, and brush. Apply a stain-blocking priming coat with SÜDWEST Isolierfarbe L (depending on the area of use); a second priming coat might be necessary depending on the condition of the surface.

LOAD-BEARING EXISTING COATINGS:

Check coatings for their suitability and load-bearing capacity. Remove any coatings which are not load-bearing. The substrate must be cleaned where necessary.

SURFACE AREAS WITH LIGNIN OR OTHER WOOD CONSTITUENTS:

Apply a stain-blocking priming coat with SÜDWEST Isolierfarbe L (depending on the area of use); a second priming coat might be necessary depending on the condition of the surface.

APPLICATION

MATERIAL PREPARATION:

WDVSmart Mineral Putz K and R are prepared with approx. 6 l of water per 25 kg. WDVSmart Mineral Putz MP is prepared with approx. 7 l of water per 25 kg. Decant water and add dry mortar, mix for approx. 2 minutes. Allow a maturing time of 5 minutes, then stir again for at least 30 seconds. The water must be clean (most importantly, do not use water that has previously come into contact with dry mortar).

TEXTURED RENDER:

Apply as stippled and floated render evenly with a stainless steel trowel and trowel off to grain size, then smooth immediately with a plastic trowel. Texture the stippled render with uniform circles and the floated render either in circles, vertically, or horizontally. To avoid differences in texture, always use the same type of tool on a single project. To avoid different "handprints", texturing should be carried out by the same person or a team of people should take it in turns to rework the same surface areas.

FLOAT-FINISH/FINE TEXTURED RENDER:

For coatings in external wall insulation systems, the layer thickness of the reinforced base coat should be approx. 3.5 mm. This is usually achieved by applying an additional levelling coat to the reinforced base coat or an additional plaster/render coat in K 1.5 stippled plaster texture 1.5 mm.

APPLICATION TEMPERATURE:

Do not apply at a project or air temperature of less than +5°C and do not leave to dry at a project or air temperature of less than +5°C. Scaffolding platforms and shadows might need to be taken into account in direct solar radiation, as they can lead to variations in drying behaviour and subsequently to changes in colour shade and texture.

TIME FOR APPLICATION:

At +20°C: approx. 60 minutes

APPLICATION INSTRUCTIONS:

Ensure compliance with applicable legislation and directives (e.g. building regulations, EneV, etc.), BFS data sheet no. 21, information from the Fachverband Wärmedämmverbundsystem in Germany, and the relevant EWIS system approval, as well as the technical approval for the anchors. Further directives including BFS data sheet no. 19 and following also apply.

TOOL CLEANING:

Clean with water after use. Collect the cleaning / rinsing water and dispose of it properly.

DRYING

At +20°C temperature (air and substrate), 65 % relative air humidity
Over-coatable after 48 hours at the earliest; drying times will be longer at lower temperatures and higher humidities. The render will take 1 day per mm of layer thickness to cure, depending on weather conditions. Take suitable protective measures if the weather is unfavourable during drying (e.g. rain, etc.).

SPECIAL INFORMATION

As the product is cementitious/alkaline, care must be taken on surrounding surfaces due to the risk of burns (clouding of glass, ceramics, etc).

PRODUCT-SPECIFIC INFORMATION

In the case of mineral external renders, ambient and substrate moisture must be taken into account specifically. Both of these can have a significant effect on drying, texture, and application.

COLOUR STABILITY:

The surface of coatings can change over time due to weather conditions, moisture, UV irradiation, and deposits. This can result in a change in colour. This is a dynamic process that is influenced differently by the climatic conditions themselves and the exposure. The current national regulations, data sheets, etc. apply; please also refer to BFS data sheet no. 26.

BLACK GRAIN:

The sands used in WDVSmart finishing plasters/renders are natural products that may be visible as slightly darker sand or structural grains in isolated cases. This is a minimal visual

impairment, not a quality defect. It reflects the underlying natural character of the product and is evidence of the natural properties of the raw materials used.

EXTENDER MATERIAL BREAKDOWN:

When coated surfaces are exposed to mechanical stress, it is possible that for darker, intense colour shades the areas of impact change to a lighter colour. This is due to the natural extenders used. This does not impair the product quality or its functionality.

COLOUR CONSISTENCY:

Due to the chemical and/or physical curing processes involved in different weathering and building conditions, it is not possible to guarantee colour consistency and freedom from stains, particularly in the case of:

- Uneven absorption of the substrate
- Differences in the substrate humidity of the surface
- Strong variations in substrate alkalinity/ingredients
- Direct solar radiation with sharply delineated shadows forming on the freshly applied coating

APPROVALS

Z-33.41-955 WDVSmart EPS bonded
Z-33.43-956 WDVSmart bonded + anchor-fixed

STORAGE

Close opened containers so that they are airtight after use. Store in cool and dry but frost-free conditions.

DISPOSAL

Only return empty containers for recycling. Dispose of containers with residues at the responsible hazardous waste centre. Dispose of dried paint brushes and rollers with residual waste. Do not dispose of paint or rinse painting tools in sinks or drains.

COMPOSITION

Calcium carbonate, cement, calcium hydroxide, polymer powder, white pigments, thickener, hydrophobic agents, fibres, low in chromates

GENERAL SAFETY ADVICE

Good ventilation must be ensured while paints and varnishes are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact

with skin and eyes. Do not breathe in dust during sanding work. Keep out of reach of children. Do not allow to enter ground water, bodies of water, or the sewer system in undiluted or large quantities. Further information and the current SDS are available at www.suedwest.de

TECHNICAL CONSULTATION

Our sales representatives will be happy to answer any questions which have not been covered by this Technical Data Sheet. Our technical customer service team at the factory is also available to

answer any detailed queries you may have (06324/709-0).

DISCLAIMER

We are committed to taking the utmost care. However, we are only able to provide general information based on our own experiences, developments, and investigations, and these naturally cannot take the individual conditions of a project (substrates, weather conditions, other conditions) into account. The applicator is therefore obliged to maintain their knowledge in accordance with the state of the art and act responsibly. Our employees are available to provide

specific advice and will be happy to do so. We accept no responsibility for the use of the product in combination with other products. The data provided in this Technical Data Sheet does not constitute binding information or liability.

Furthermore, suspension or the appearance of a subsequent edition will invalidate this Technical Data Sheet; information about this can be accessed at any time on our website: www.suedwest.de.

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