



TECHNICAL DATA SHEET

30064

WDVSMART

FLEXPACHTEL

AREA OF APPLICATION

WDVSMART FlexSpachtel is an organic, ready-to-use reinforcing mortar for the SÜDWEST WDVSmart external wall insulation system, for use in exteriors. The product is also suitable for refurbishing damaged facade surfaces. Due to the high mechanical resistance in the system build-up, a primer is not absolutely necessary as an intermediate coat for subsequent finishing renders.

PROPERTIES

- Cement-free / ready to use
- Very good application properties
- Simple application
- Very high adhesive strength
- Large texturing grain
- Can be used as a renovation filler

COLOUR SHADE: white (limited tintability)

CONTAINER: 25 kg

COVERAGE:

version	Coverage
As a filler	1.2 kg/m ²
Reinforcement	2.5–3.5 kg/m ²

Consistency, application, and substrate have a direct influence on consumption. All consumption values quoted are provided as a guide only. Precise consumption values for a project can be obtained by creating a test surface.

TECHNICAL DATA:

Density	1.5–1.7 g/cm ³
Reaction to fire in accordance with EN 13501-1	A2-s1, d0
Minimum layer thickness	2 mm
Maximum layer thickness	4 mm

The characteristic values stated are average values or approximate values. Due to the use of natural raw materials in our products, the stated values can vary slightly in the same delivery batch without adversely affecting the suitability of the product.

AREA OF APPLICATION

GENERAL RULES:

The substrate must be prepared and the coating 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. 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. Damp or not fully cured substrates can lead to damage in subsequent coats, such as bubble formation or cracking.

The substrate must be free from release agents, stress, and must not change shape. Swellable (e.g. paste residues) and unstable substrates are not suitable. 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. German construction contract procedures (VOB) Part C DIN 18363, Part 3, and the BFS data sheets must be observed in this regard.

The coating build-ups and proposals listed do not release the applicator from his or her own responsibility for substrate testing and assessment. Read and follow the technical documentation for the priming coats and intermediate paint coats listed. The application method, tools, and material preparation have a direct influence on the result.

SUBSTRATE

SUBSTRATE PREPARATION:

HIGHLY ABSORBENT SUBSTRATES:

Prime with SÜDWESTHydroGrund or SÜDWESTThixGrund (depending on the area of use) and treat the substrate accordingly.

MOULD-INFESTED SURFACES:

Pre-treat with SÜDWESTSchimmel-Fresser or SÜDWESTFungan, read the associated technical documentation.

SURFACES EXPOSED TO ALGAE ATTACK:

Pre-treat with SÜDWESTSchimmel-Fresser or SÜDWESTFungan, 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

Reinforcement

Apply to the insulation boards with a rust-free smoothing trowel or alternatively by machine. Embed glass-fibre mesh in the upper third, and trowel over, overlap by at least 10 cm. The glass-fibre mesh must be completely covered. Diagonal reinforcement must be used in corners at building openings. Recommended reinforcing coat thicknesses: 1.5–3 mm (observe approval). Variations are possible here depending on the application (diagonal reinforcement, overlaps, etc.). Work wet-in-wet in a single application cycle to avoid seams.

MATERIAL PREPARATION:

Stir well; the consistency can be adjusted by adding water.

APPLICATION TEMPERATURE:

Lowest temperature of substrate/air:
+5°C
Highest temperature of substrate/air:
+30°C
Maximum rel. ambient humidity 65 %

TIME FOR APPLICATION:

To be determined on a project-specific basis; depends on the absorption capacity of the substrate, the ambient temperature, and the layer thickness.

SPRAY VALUES:

Please follow the equipment manufacturer's instructions.

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, along with other valid regulations governing rendering and plastering.

CLEANING THE TOOLS:

Clean with water immediately after use.

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 (several days in some cases). Take suitable protective measures if the weather is unfavourable during drying (e.g. rain, etc.).

SPECIAL INFORMATION

For a system build-up with a synthetic resin or silicone resin finishing render with a minimum grain size of 2 mm, impact resistance will be > 10 joules.

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 but frost-free conditions. Only recycle empty containers.

DISPOSAL

Only recycle empty containers. The current legal requirements regarding disposal must be observed.

COMPOSITION

Polymer dispersion, titanium dioxide, silicon dioxide, calcium carbonate, aluminium hydroxide, water, glycol ether, aliphatics, additives, preservatives

GENERAL SAFETY ADVICE

Good ventilation must be ensured while paints, varnishes, and plasters are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact with skin and eyes. Do not breathe dust during application. 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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