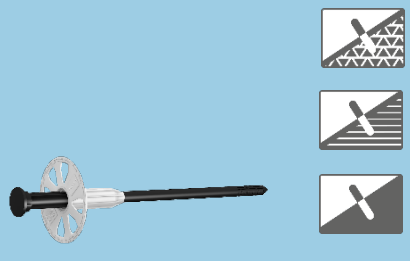
SÜDWEST



TECHNICAL DATA SHEET

30094
WDVSMART HTS-M

AREA OF APPLICATION

SÜDWEST WDVSmart HTS-M / HTS-P Dämmstoffdübel is a time-saving, cost-effective insulant fixing, without heat loss. The anchor has ETA approval and is suitable for almost any substrate.

PROPERTIES

- For EPS and stone wool insulants
- Suitable for all insulants from 60 to 260 mm thick
- Very efficient setting method
- Set surface-flush
- HTS-M combined clout nail with metal expansion element (approval in fire strip)
- HTS-P expansion element and shaft made of polyamide
- chi value 0.000 W/K, so can be used free from thermal bridges
- For all substrates in categories A, B, C, D, and E

CONTAINER:

100 units/box 100–220 mm
50 units/box 240–300 mm

COVERAGE: No. of anchors/m² must be determined on a case-by-case basis according to approval / system, region, and wind load

TECHNICAL DATA:

Anchorage depth in load-bearing masonry: 25 mm
Drill-hole depth in masonry: 40 mm (not in existing render)
Ø anchor plate: 60 mm
Ø drill hole: 8 mm
Insulation board thicknesses (new building): 60–260 mm

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, 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.

Anchor length
Insulant thickness
+ adhesive layer
+ anchorage depth
+ (optional) existing render

SUBSTRATE

A Normal-weight concrete
B Solid masonry
C Hollow or perforated masonry
D No-fines lightweight concrete
E Cellular concrete

If you are in doubt about the substrate, calculate project-specific pull-out values.

APPLICATION

The number of anchors and the setting pattern must be aligned with the selected approval/the system, substrate, and wind load on a case-by-case basis. Only use drill bits that are suitable for the substrate. Worn drill bits will make anchor setting much more difficult. Category C and E substrates should be drilled without impact. Drill the drill hole approx. 15 mm deeper than the anchorage depth, then clean. Insert the anchor surface-flush and use a suitable hammer to drive in the expansion element by hitting it accurately just a few times.

Allow the system adhesive to harden before setting anchors. Drying time: approx. 1 day/1 mm adhesive thickness.

APPLICATION TEMPERATURE:

0–40°C, avoid strong solar radiation over several weeks.

APPLICATION NOTES:

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.

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SPECIAL INFORMATION
Refer to the data sheet for anchors in external wall insulation systems issued by the VDPM (Verband für Dämmsysteme, Putz und Mörtel e.V.) for more information.

APPROVALS
Anchor: ETA-16/0116 / 2018-03-28
EWIS: Z-33.43-956 WDVSmart bonded + anchor-fixed (EPS and MiWo)

STORAGE
Tightly sealed and dry.

DISPOSAL
Disposal in accordance with current regional legal requirements.

COMPOSITION
Polyethylene anchor sleeve
Polypropylene anchor plate
HTS-M connection pin
Expansion element: steel, galvanised
Shaft: polyamide, glass fibre reinforced, black
HTS-P expansion element and shaft made of polyamide, glass fibre reinforced

GENERAL SAFETY ADVICE
Observe requirements for protective equipment.

TECHNICAL CONSULTATION
Please contact our technical customer service team (06324-709-0) if you have any questions that have not been answered in this Technical Data Sheet or relate to a specific project. We would be happy to provide further assistance.

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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