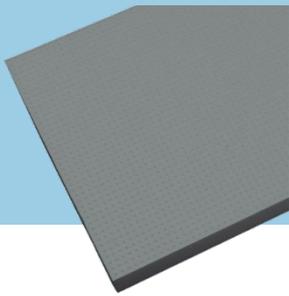


TECHNICAL DATA SHEET

30117

WDVSMART

SOCKELDÄMMPLATTE 032



AREA OF APPLICATION

WDVSmart Sockeldämmplatte 032 is a machine-foamed, pressure-resistant, dimensionally-stable, rot-proof EPS insulation board for use in plinth and soil areas.

PROPERTIES

- Nominal value λ_D 0.031 W/(mK)
- Ribbed surface
- In the soil up to 3 m below ground level
- Can be rendered
- Closed-cell surface
- Resistant up to 45 kN/m²
- Free from CFC, HCFC, HFC, and HBCD

COLOUR SHADE: white

CONTAINER: Bundle

COVERAGE:

| version | | Coverage |
|---------|----------------------------|----------------------------------|
| 5 cm | 4,5 m ² /bundle | 1 m ² /m ² |
| 6 cm | 4.0 m ² /bundle | 1 m ² /m ² |
| 8 cm | 3.0 m ² /bundle | 1 m ² /m ² |
| 10 cm | 2.0 m ² /bundle | 1 m ² /m ² |
| 12 cm | 2.0 m ² /bundle | 1 m ² /m ² |
| 14 cm | 1.5 m ² /bundle | 1 m ² /m ² |
| 16 cm | 1.5 m ² /bundle | 1 m ² /m ² |
| 18 cm | 1.0 m ² /bundle | 1 m ² /m ² |
| 20 cm | 1.0 m ² /bundle | 1 m ² /m ² |
| 22 cm | 1,0 m ² /bundle | 1 m ² /m ² |
| 24 cm | 1,0 m ² /bundle | 1 m ² /m ² |
| 26 cm | 1,0 m ² /bundle | 1 m ² /m ² |
| 28 cm | 1,0 m ² /bundle | 1 m ² /m ² |
| 30 cm | 1,0 m ² /bundle | 1 m ² /m ² |

TECHNICAL DATA:

| | Data | unit | Norm/ap-proval |
|-----------|------|------|----------------|
| Ap-proval | | | Z-23.33-1257 |

| | | | |
|---|---|----------------------|----------------|
| thermal conductivity group | 032 | | |
| Design thermal conductivity λ | 0.032 | W/(m ² K) | |
| Water vapour diffusion/ μ value | 30/70 | | DIN EN 13163 |
| Compressive stress σ 10 % | ≥ 150 | kPa | DIN EN 826 |
| Permissible constant compressive stress σ 10 % | ≥ 45 | kPa | DIN EN 13163 |
| Building material class in accordance with DIN | B1 | | DIN 4102 |
| Building material class in accordance with EN | E | | DIN EN 13501-1 |
| Edge design | Straight-edged, with stepped groove from a thickness of 22 cm | | |
| Installation depth | Up to 3 m below ground level | | |

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.

SUBSTRATE

The substrate must be dry, clean, and load-bearing, as well as free from efflorescence and release layers; non-load bearing coatings and loose parts must be removed.

SUBSTRATE PREPARATION:

Efflorescence, sintered layers, and other release agents must be removed. Remove coarse mortar burr, level significant unevenness with suitable rendering and plastering mortar. Levelling with WDVSMART K+A UniMörtel, WDVSMART K+A Mörtel Weiss might be possible depending on size. Check existing plaster and render for cavities and touch up. Remove all traces of non-load bearing plaster/render and coatings. Unevenness of up to 1 cm on bonded systems and up to 2 cm on bonded and anchor-fixed systems may be bridged. Once the levelling mortar has dried, work can continue as

normal. Observe the technical data for the mortar. You will also need to observe the technical data for the bonding mortar you have chosen. In the plinth area, fixing with anchors is not permitted in the area of the on-site waterproofing layer.

APPLICATION

In the soil, it is advisable to taper the lower edge of the board located at the lowest depth 45° across the board thickness. This makes filling in the soil easier and protects the board or reinforcement against damage and/or tearing. Protruding floor slabs can be joined straight-edged. Apply a mortar bed of WDVSmart FlexSchlämme to the floor slab. WDVSmart Sockeldämmplatte 032 can also be used in splash zones on balconies and roof connections, to name but a few examples. Take local conditions into account and adapt the application accordingly.

Note the BFS detail drawings.

Apply WDVSmart FlexSchlämme diluted with approx. 10 % water to the substrate as a moisture protection coat (not a waterproofing layer in accordance with DIN 18195). WDVSmart Sockeldämmplatten 035 are bonded full-surface with WDVSmart FlexSchlämme and tight-butted. See the product's Technical Data Sheet for more information about preparing WDVSmart FlexSchlämme. We recommend using a notched trowel 15 x 15 mm for application or pressing the trowel onto the product slightly and pulling it away again, hence creating small spikes.

Bond and press on the insulation boards tight-butted in a bond from bottom to top. Ensure flush and perpendicular installation. Use the same insulant to close unavoidable gaps (over the entire depth of the insulant layer). Do not apply adhesive to the long and front sides of the boards if possible. Overlap building corners. Special fire protection measures must be observed for board thicknesses of more than 100 mm. Please ensure compliance with all current legal directives; unbiased information is also available from the Fachverband Wärmedämmverbundsysteme in Germany.

Make sure that there are no cross joints and also that the joints do not continue vertically. The insulation boards must be laid in an offset pattern. Structural expansion joints must be incorporated into the system. At least until they are reinforced, the insulation boards must be protected against direct solar radiation and excess heating up. Depending on the intensity of the exposure, such protection might need to be in place until the final layer of plaster or render is applied. Insulation boards have a tendency to deformation when exposed to excess heat.

FIXING WITH ANCHORS:

As cut-outs are not permitted in the plinth and soil areas, anchors cannot be used.

REINFORCEMENT:

In high humidity, WDVSmart Sockeldämmplatte 032 should be reinforced with WDVSmart FlexSchlämme. Please observe the technical information for WDVSmart FlexSchlämme in such cases. If humidity is not high, it is possible to use any reinforcing compound in the WDVSmart system.

APPLICATION TEMPERATURE:

Surface and ambient temperatures must not fall below +5°C or exceed +30°C during application and drying.

APPLICATION NOTES:

Ensure compliance with applicable legislation and directives (e.g. building regulations, EnEV, Buildings Energy Act in Germany, 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. Other directives must also be followed, e.g. BFS data sheet no. 19 and the following, as well as other applicable arrangements for plastering work.

SPECIAL INFORMATION

Do not bring into contact with solvents, ensure protection against moisture.

STORAGE

Store dry, protected against moisture. Do not expose to the effects of the weather and UV without protection.

Store in enclosed rooms or under shade.

DISPOSAL

Sorted by type and in compliance with the applicable legal directive governing waste polystyrene.

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

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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