

TECHNICAL DATA SHEET

Granoltherm DS

Product Code: ESPS-GRANOLTHERMDS



SPS ENVIROWALL PROMOTES THE RE-USE –RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA THE ENVIRONMENTAL RECYCLING SCHEMES CURRENTLY IN OPERATION DIRECT FROM SITE.

Characteristics

Granoltherm DS has a dual use for adhesively fixing of HDEPS insulation boards in below DPC applications. It is also used as the basecoat layer onto the face of the HDEPS boards with fibre glass reinforcement mesh incorporated.

Technical Data

Application temperature	5-30°C
Colour	White
Viscosity	2500mPa.s
Time of application	2 to 3 hours
Drying time	24 hours

Substrate

The substrate needs to be dry, straight and free of oil, dust, or other repellent layers. Infiltration of moisture in the inner wall or floor by ascending moisture need to be avoided. To achieve this a moisture barrier must be provided horizontally as well as vertically.

Application

Mix Granoltherm DS with cement in a 1:1 ratio, using a mixer at low speed, until a homogenic mass is obtained. To increase hardness the cement content can be increased to 1:1,3. To increase ease of application the product can be diluted with 5% water. The mixed product must be applied within 2 to 3 hours. As moisture barrier 2 layers are needed. Layers can be applied using a brush. In this application the product is used pure, and can be diluted with 5% water to increase workability.

The Granoltherm DS as an adhesive application is mixed with cement to the ratio as manufacturer's instructions and applied to the required substrate area achieving full coverage using a toothed trowel. The boards are adhered to the Granoltherm DS with full bonding, mechanical fixings are used in a "W" pattern to secure to the façade.

The Granoltherm DS as a basecoat application is mixed with cement to the ratio as manufacturer's instructions and applied to the face of the rasped HDEPS below DPC board achieving full coverage using a toothed trowel encapsulating the board. The fibre glass reinforcement mesh is incorporated into the Granoltherm DS with a 100mm overlap at all joints.

Post-Treatment

Drying time depends on humidity, temperature, airflow and thickness of the layer. At 20°C and at a relative humidity of 50% drying time is 24 hours.

Consumption

As an adhesive 2kg/m² of Granoltherm DS and 2 to 2.6kg/m² of cement.
As a basecoat 1.3kg/m² of Granoltherm DS and 1.3 to 1.7 kg/m² of cement.

Storage

Store in own packaging in a cool and frost-free area.
Opened containers must be processed within a short period of time.

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Certificates/approvals

Identification

Special Information

Disposal

Do not empty contents into the ground, water courses or drains. Check local landfill requirements for correct disposal. See the SPS Envirowall Limited Health & Safety data sheet on this product for information regarding the safe disposal of this product.

Empty containers, Lids and wire handles can be fully recycled

The information supplied in this Technical Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Our application recommendations, whether verbal, written or as graphics, are given to the best of our knowledge and the state of the art. Information about values, quantities etc. are based on approximate figures. The recommendations do not constitute a legally binding warranty of quality. In particular no liability claims may be based on these recommendations; the provisions of the product liability law remain unaffected.

The recommendations do not release the purchaser from his own duty to test the product or from his own responsibility, and in particular they do not release the purchaser from compliance with the relevant technical guidelines, regulations, DIN and laws. Publication of a revised version of this technical information sheet due to technical progress invalidates all older versions of this document.