Organic adhesive compound for even substrates

Characteristics

Application

- exterior and interior
- for the application of adhesive over the entire surface area of polystyrene foam
- especially for timber materials and other level, load-bearing, weakly absorbent substrates (e.g. gypsum fibre and fibre cement boards)

Properties

- ready-to-use

Technical data

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Standard / test regulation</th>
<th>Value/ Unit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>EN ISO 2811</td>
<td>1.3 - 1.5 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Diffusion-equivalent air layer thickness</td>
<td>EN ISO 7783-2</td>
<td>0.87 - 1.0 m</td>
<td></td>
</tr>
<tr>
<td>Water vapour diffusion resistance factor $\mu$</td>
<td>EN ISO 7783-2</td>
<td>1,200 - 2,200</td>
<td></td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>DIN 4108</td>
<td>0.07 W/(m*K)</td>
<td></td>
</tr>
</tbody>
</table>

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended purpose.

Substrate

Requirements

The substrate must be firm, level, dry, load-bearing and free from grease and dust. The suitability of the fixing method with the substrate must be assessed individually on site where necessary. Damp or not fully cured substrates can lead to defects in subsequent coats, such as blistering or cracks.

Preparations

Check existing coatings for their suitability and load-bearing capacity. Remove any non load-bearing or structurally weak coatings. The substrate must be cleaned where necessary.

Application

Application temperature

- Lowest temperature of substrate/air: +5°C
- Highest temperature of substrate/air: +30°C

Material preparation

The material is ready-to-use after being stirred. If necessary, the material consistency can be adjusted by adding water.

Consumption

<table>
<thead>
<tr>
<th>Type of application</th>
<th>Approx. consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonding of EPS boards</td>
<td>1.00 - 1.50 kg/m²</td>
</tr>
</tbody>
</table>
Technical Data Sheet  
Sto-Dispersion Adhesive

The consumption of the material depends on the application method, substrate and consistency, amongst other factors. The stated consumption rate is only to be used as a guide. Where required, precise consumption values should be established on the respective project.

**Application**

Apply with toothed trowel, by machine

Bonding:
Apply the material manually with a rust-free toothed trowel, or by machine. Press, or float and press, the boards immediately into the fresh adhesive bed. Full-surface bonding must be aimed at.

**Drying, curing, reworking time**

The drying time depends on the temperature, wind and relative humidity. During unfavourable weather conditions it is imperative that suitable protective measures (e.g. protection against rain) be applied to the work in progress and freshly completed facades.

**Cleaning the tools**

Clean tools with water immediately after use.

**Indications, recommendations, special information, miscellaneous**

Further details for application can be found in the system-related application guidelines.

**Delivery**

**Colour shade**  
White

**Packaging**  
Pail

**Storage**

**Storage conditions**  
Store tightly sealed in frost-free conditions. Protect against heat and direct sunlight.

**Storage life**  
The quality of the original package is guaranteed until stock by date. The stock by date can be deduced from the batch number of the package.  
Batch number explanation:  
Number 1 = the last number of year, numbers 2 + 3 = a week  
i.e.: 1450013223 – stock date until the 45th week of the year 2011

**Certificates / approvals**

<table>
<thead>
<tr>
<th>Certificate code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETA-03/0027</td>
<td>StoTherm Classic 1 (EPS and StoArmat Classic) European technical approval</td>
</tr>
<tr>
<td>ETA-05/0098</td>
<td>StoTherm Classic 2 (EPS and StoLevell Classic) European technical approval</td>
</tr>
<tr>
<td>ETA-06/0004</td>
<td>StoTherm Classic 3 (EPS and Sto reinforced cement) European technical approval</td>
</tr>
<tr>
<td>ETA-09/0058</td>
<td>StoTherm Classic 5 (EPS and StoArmat Classic plus) European technical approval</td>
</tr>
<tr>
<td>ETA-07/0088</td>
<td>StoTherm Classic 2 (MW/MW-L and StoLevell Classic) European technical approval</td>
</tr>
<tr>
<td>ETA-06/0003</td>
<td>StoTherm Classic QS 1 (EPS and StoArmat Classic QS) European technical approval</td>
</tr>
</tbody>
</table>
# Technical Data Sheet

## Sto-Dispersion Adhesive

### ETA Identification

<table>
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<tr>
<th>ETA</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/0148</td>
<td>StoTherm Classic QS 2 (EPS and StoLevel Classic QS) European technical approval</td>
</tr>
<tr>
<td>09/0288</td>
<td>StoTherm Classic 5 MW/MW-L (StoArmat Classic plus) European technical approval</td>
</tr>
<tr>
<td>05/0130</td>
<td>StoTherm Vario 1 (EPS and StoLevel Uni) European technical approval</td>
</tr>
<tr>
<td>06/0045</td>
<td>StoTherm Vario 3 (EPS and StoLevel Novo) European technical approval</td>
</tr>
<tr>
<td>06/0107</td>
<td>StoTherm Vario 4 (EPS and StoLevel Duo) European technical approval</td>
</tr>
<tr>
<td>04/0075</td>
<td>StoTherm Vario S35 European technical approval</td>
</tr>
<tr>
<td>Z-33.47-811</td>
<td>StoTherm Classic / Miscellaneous / Classic L/ Mineral L, glued for wooden structures National technical approval</td>
</tr>
</tbody>
</table>

### Identification

**Product group**

Adhesive

**Composition**

In accordance with VdL (German Paint and Printing Ink Association) guideline:

- Construction coating materials for buildings
- Polymer dispersion, Quartz, Water, Glycol ether, Aliphatics, Additive, Preservative

**Security**

Please observe safety data sheet

**Special information**

The information or data serves to ensure the product’s intended purpose or its suitability for use and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use. Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation with Sto AG. Where no approval is given, such applications are at the risk of the user. This applies in particular when the product is used in combination with other products. When a new technical data sheet is published, all previous technical data sheets are no longer valid. The latest version is available on the Internet at www.sto.com.

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