

# Histolith® Trass-PorenGrundputz

Restoration render as a base and levelling mortar with salt storage effect on very uneven masonry

## Product Description

Field of Application	<p>Suitable as a basecoat render with pore formation for storing masonry salts and levelling render for very uneven brickwork for exterior and interior use. For rendering on <i>Histolith® Trass-Vorspritzputz</i> for exterior and interior use. Partial component of the <i>Histolith® Trass-Sanierputzsystems</i>.</p> <p>The structure and layer thickness of the <i>Histolith® Trass-Sanierputzsystems</i> are based on the salt load present in the brickwork in accordance with WTA data sheet 2-9-20/D. The <i>Histolith® Trass-Sanierputzsystems</i> is suitable for rendering damp and salt-contaminated brickwork. Due to the large pore volume, building-damaging salts are trapped. In this way, an efflorescence-free and dry surface can be achieved on damp brickwork if the ambient climate allows it to dry out.</p>
Material Properties	<ul style="list-style-type: none"> <li>■ High compressive strength</li> <li>■ High water vapour permeability</li> <li>■ Frost resistant</li> <li>■ Can be applied by hand and machine</li> <li>■ Contains pore-forming agents</li> </ul>
Material Base / Vehicle	Mineral binders according to DIN EN 197-1 and DIN EN 459-1 and mineral aggregates according to DIN EN 13139
Packaging/Package Size	Bag 20 kg
Colours	beige
Storage	Dry, protected from moisture, in original sealed packaging. Application within 12 months.
Technical Data	<p>Renovation render (R) according to DIN EN 998-1 Fulfils the requirements of WTA leaflet 2-9-20/D</p> <ul style="list-style-type: none"> <li>■ Maximum particle (grit) size: 3,0 mm</li> <li>■ Heat conductivity: <math>\lambda_{10 \text{ dry, mat}} \leq 0,25 \text{ W/(mK)}</math> für P=50 % according to DIN EN 1745</li> <li>■ Water vapour permeability: <math>\mu \leq 10</math> according to DIN EN 1015-19</li> <li>■ Compressive strength: Category CSII according to DIN EN 998-1 &gt; 2,5 N/mm<sup>2</sup> according to DIN EN 1015-11</li> <li>■ Apparent density of hardened mortar: <math>\rho</math>: ca. 1,0 g/cm<sup>3</sup></li> <li>■ Adesive tensile strength: <math>\geq 0,20 \text{ N/mm}^2</math> according to DIN EN 1015-12 break pattern B</li> <li>■ Fire behaviour: Class A1 according to DIN EN 13501-1 (non-combustible)</li> <li>■ Capillary water absorption: <math>\geq 0,3 \text{ kg/m}^2</math> after 24 h according to DIN EN 1015-18</li> </ul>



# TECHNICAL INFORMATION NO. 1046

Supplementary Product *Histolith® Trass-Vorspritzputz*  
*Histolith® Trass-Sanierputz*  
*Histolith® Feinputz*

Note The fixed values stated represent average values which may vary slightly from delivery to delivery due to the use of natural raw materials.

Suitability according to Technical Information No. 606 Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	+	+
(-) not suitable / (○) conditionally suitable / (+) suitable				

## Application

Suitable Substrates

Damp and salt-contaminated masonry on interior and exterior surfaces.

### Application limits:

The *Histolith® Trass-Sanierputzsystem* is not suitable for waterproofing building components in contact with the ground against pressurised water, backwater and ground moisture. In these cases, suitable sealing measures must be carried out beforehand. This also applies to very high levels of masonry moisture penetration due to rising damp. There must be no direct contact with soil or cladding in the plinth area.

The *Histolith® Trass-Sanierputzsystem* cannot prevent damage caused by frequent falls below the dew point.

Preparatory work

Mask window sills and add-on parts.  
Carefully cover glass, ceramic, clinker, natural stone, painted, glazed and anodised surfaces.

Substrate Preparation

Remove damaged render at least 80 cm above the recognisable edge of the damage. Any old render containing salt must be removed immediately.  
Remove crumbly parts, dirt, dust, old bitumen coatings and other substances with a separating effect. Expose damaged masonry joints to a depth of at least 20 mm.

Thoroughly clean the masonry mechanically. The substrate must be load-bearing.

Pre-wet highly absorbent masonry (matt damp).

Apply a half-covering coat of *Histolith® Trass-Vorspritzputz* and allow to harden for at least 24 hours until lightly dry.

In Germany: VOB Part C, DIN 18350 must be observed.

Preparation of Material

■ 20 kg of material (one bag) in approx. 7.5 litres of water.

The material can be mixed with a powerful, slow-running agitator or compulsory mixer with mixer and with clean, cold water to form a lump-free mass.

Work through again after approx. 3-5 minutes. If necessary, adjust the consistency with a little water after this maturing time.

Depending on the weather, the working time is approx. 2 hours (pot life).

Do not use water to make material that has already hardened workable again.

Method of Application

Stir the material well before application and apply by hand or with a machine.

Masonry joints can be reworked by filling in one operation. Then roughly pull of the surface with a straightedge/aluminium lath.

For better adhesion of the subsequent *Histolith® Trass-Sanierputzes*, comb the matt damp surface horizontally with a notched trowel or plastering comb, alternatively roughen with a grid float after stiffening. Do not compact or felt.

When laying electrical cables in the areas where the *Histolith® Sanierputzsystem* is applied, care must be taken to ensure that no gypsum-based levelling compounds are used.

Layer Thickness

■ Total render thickness 20-25 mm: single or multi-layer, one layer at least 10 mm

■ Total render thickness 25-40 mm: in the renovation render system with *Histolith® Trass-PorenGrundputz* and at least 15 mm *Histolith® Trass-Sanierputz*

Surface Coating System

■ low salt load: *Histolith® Trass-Vorspritzputz* + *Histolith® Trass-Sanierputz* single layer

■ medium salt load: *Histolith® Trass-Vorspritzputz* + *Histolith® Trass-Sanierputz* multi-layered

■ high salt load: *Histolith® Trass-Vorspritzputz* + *Histolith® Trass-PorenGrundputz* + *Histolith® Trass-Sanierputz*

*Histolith® Feinputz* can also be applied to the system structures. With a total render thickness of more than 30 mm, *Histolith® Trass-PorenGrundputz* must always be used as a base render to level the masonry.

A coating is required for exterior areas. Coating only with highly Water vapour permeable paints, *Histolith® Dispersionssilikatfarben* and *Histolith® Kalkfarben* are recommended. Additional pre-treatment with *Histolith® Fluat* reduces the risk of lime efflorescence.

Consumption

■ approx. 1.1 kg/m<sup>2</sup> per mm layer thickness

These consumption figures are approximate values.  
Deviations depending on the property or processing must be taken into account.

## Weather conditions

During The application and in the drying phase, the ambient and substrate temperatures must not be below +5 °C and above +30 °C.  
Do not apply in direct sunlight, strong wind, fog or high humidity. In this context, we refer to the leaflet "Verputzen, Wärmedämmen, Spachteln, Beschichten bei hohen und tiefen Temperaturen" (Rendering, Thermal Insulation, Filling, Coating at High and Low Temperatures) from the "Bundesverband Ausbau und Fassade" (Federal Association for Finishing and Facades).

In unfavourable weather conditions, suitable measures must be taken to protect the facade surfaces.

To avoid cracks, interiors must not be heated for short periods while the plaster is curing. In cellars, especially in the summer months during and shortly after application, very high levels of humidity prevail. It is therefore important to ensure that the high humidity is dissipated and that the render can dry out. This can be achieved by ventilation, dehumidification or, if necessary, careful heating. The relative humidity should be below 70 % during this phase.

## Drying/Drying Time

The waiting time for reworking depends on temperature, humidity, air movement, sunlight and application thickness. The information is therefore intended as a guide.

The following waiting times must be observed before applying the next layer:

- *Histolith® Trass-Vorspritzputz*: at least 1 day until light drying
- *Histolith® Trass-PorenGrundputz*: Standard value 1 day per mm layer thickness
- *Histolith® Trass-Sanierputz*: single layer: 3-7 days, double layer: first layer 1-4 days, second layer 3-7 days
- Top coat on *Histolith® Trass-Sanierputz*: 1 day per mm layer thickness as a guide (especially for layer thicknesses over 20 mm)
- *Histolith® Feinputz*: can be painted over after 7 days

Protect the treated surfaces from drying out quickly during the drying period.  
If necessary, keep surfaces moist by wetting them carefully.

## Tool Cleaning

Rinse with water immediately after use in accordance with legal requirements.

## Example for Machine Equipment

- Mixing pump e.g. InoCOMB Maxi power or PFT G4 with post-mixer
- Compulsory mixer e.g. InoMIX ZM 120

### Delivery hoses:

Start hoses - inner Ø 35 mm; end hose - inner Ø 25 mm

### Delivery distances/height:

Maximum delivery distance 30 m; maximum delivery height 20 m (depending on temperature)

### Spraying unit:

Nozzle-Ø 8 - 12 mm

Pre-flush delivery hoses with lime slurry or paste before regular operation.

If work is interrupted, do not leave the delivery hose in direct sunlight, cover the material container with foil, for example, and keep the gun and nozzle under water. Stand for max. 30 min. until further processing, otherwise the material in the hose may harden.

Further information can be found in the "Handbuch der Spritztechnologie".

The machine manufacturer's instructions must be observed.

## Advice

### Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not breathe dusts or mists. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Store locked up.

### Disposal

Can be landfilled after concentration, when in compliance with local regulations.

### Giscode

ZP1

### Substances of Content - Declaration

Cement, Calcium hydroxide, calcium carbonate, silicates, inorganic colored pigments, mineral pigments / fillers, additives.

### Further Details

see material safety data sheet

### Customer Service Centre

Tel.: +49 6154 71-71710  
Fax: +49 6154 71-71711  
e-mail: kundenservicecenter@caparol.de

International Distribution: Please see [www.caparol.com](http://www.caparol.com)



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