

## System Data Sheet

# Histolith® Trass-Sanierputzsystem

Restoration render/plaster system according to WTA  
with Suevit-Trass.



## Product Description

### Field of Application

Histolith® Trass-Sanierputzsystem (restoration render/plaster system) is suitable to render masonry with moisture content and polluted with salts. For exterior and interior use. Due to the great pore volume the deteriorating salts are bound, thus a dry surface, free from efflorescence, is achievable on moist masonry, when ambient weather conditions allow to fully dry.

### Application Limits:

The Histolith® Trass-Sanierputzsystem is unsuitable for sealing structural elements against pressurised water, backwater and soil moisture/ground humidity. In such cases sealing has to be completed before by suitable means. This applies also for very strong humidity penetration caused by rising damp. In the area of plinths (base area) direct contact with soil or covering must be avoided.

The Histolith® Trass-Sanierputzsystem cannot prevent damages caused by condensation water.

### System Components:

- Histolith® Trass-Vorspritzputz:  
Adhesion promoting base render/spray plaster on masonry (adhesive bridge)
- Histolith® Trass-Porengrundputz:  
Base render/salt accumulating restoration plaster, levelling render for highly uneven masonry
- Histolith® Trass-Sanierputz:  
Restoration render/plaster to obtain dry surfaces
- Histolith® Feinputz:  
Fine filler/surfacers to obtain feltable surfaces



## System Structure:

Structure and layer thickness of the Histolith® Trass restoration render system comply with the salt content of masonry.

	System Structure	Layer thickness/mm
low to medium	1. Histolith® Trass-Vorspritzputz 2. Histolith® Trass-Sanierputz 3. Histolith® Trass-Sanierputz	2–4 > 10 > 10
high	1. Histolith® Trass-Vorspritzputz 2. Histolith® Trass-Porengrundputz 3. Histolith® Trass-Sanierputz	2–4 > 10 > 15

Histolith® Feinputz can additionally be applied on both systems.

Histolith® Trass-Porengrundputz should always be applied as base render to level unevenness in the masonry, when the total thickness of render/plaster coating is over 30 mm.

## Salt Content:

The salt content of substrates is defined within WTA Data Sheet 2-9-04/D.

	low	medium	high
Sulfate salts	< 0.5 %	0.5–1.5 %	> 1.5 %
Chloride salts	< 0.2 %	0.2–0.5 %	> 0.5 %
Nitrate salts	< 0.1 %	0.1–0.3 %	> 0.3 %

Material Properties

The Histolith® Trass-Sanierputzsystem contains mineral binders according to DIN EN 197-1 (cement, Suevit-Trass) and DIN EN 459-1 (lime) and mineral ingredients according to DIN EN 13139. The system meets the requirements of WTA-Merkblatt / Data Sheet 2-9-04/D.

Packaging/Package Size

- **Histolith® Trass-Vorspritzputz, Histolith® Trass-Porengrundputz, Histolith® Trass-Sanierputz:** 30 kg bag
- **Histolith® Feinputz:** 25 kg bag

Storage

Histolith® Trass-Sanierputz: At least/minimum 6 months from date of manufacture, when stored in dry conditions; see the paragraph headed "Further Details".

Histolith® Trass-Vorspritzputz, Histolith® Trass-Porengrundputz, Histolith® Feinputz: At least/minimum 9 months from date of manufacture, when stored in dry conditions; see the paragraph headed "Further Details".

Technical Data

	Histolith® Trass-Vorspritzputz	Histolith® Trass-Porengrundputz	Histolith® Trass-Sanierputz	Histolith® Feinputz
Pressure resistance/N/mm <sup>2</sup>	approx. 10.0	approx. 3.5	approx. 2.5	approx. 1.5
Water vapour diffusion resistance factor $\mu$	*	7.8	8.9	8.5
Water penetration/mm	> 5	> 5	< 5	–
Maximum grain size/mm	2.0	1.3	1.3	0.5
Colour shade	Grey	Grey	Grey	Off-White

\* Cannot be determined due to half-covering application (masonry remains visible).

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

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				

## Application

Suitable Substrates

The Histolith® Trass-Sanierputzsystem (restoration render/plaster system) is suitable for masonry/brickwork according to German standard DIN 1053.

Substrate Preparation

Carefully remove all defective rendering for minimum 80 cm beyond the noticeable border area of damages. Scrape out defective joints in masonry minimum 20 mm deep. Carefully clean the masonry. Pre-wet highly absorbent masonry (matt moist surface appearance).

Preparation of Material

	Histolith® Trass- Vorspritzputz	Histolith® Trass- Porengrundputz	Histolith® Trass- Sanierputz	Histolith® Feinputz
Water demand per bag	7.0	6.5	6.5	6.5
Workability at 20 °C, 65 % RH/Minutes	120	120	120	120

**Histolith® Trass-Vorspritzputz:** Mix the product by hand.

**Histolith® Trass-Porengrundputz and Histolith® Trass-Sanierputz:**

Mix the products by hand or use suitable plaster mixing machine. For manual mixing, stir carefully with a mixing paddle (160 mm cage) to ensure a lump-free mixture, then leave to stand for approx. 5 minutes and stir the mortar once again. Adjust the application consistency with tap water, if necessary.

**Histolith® Feinputz:**

Mix the product by hand or use suitable plaster mixing machine. For manual mixing, stir carefully with a mixing paddle (160 mm cage) to ensure a lump-free mixture.

Method of Application

**Application of Product:**

**Histolith® Trass-Vorspritzputz:** Punctual roughcast lorication/trowel application of mixed product in approx. 1-2 grain sizes, with approx. 50 % coverage of the masonry to be coated (only reticular, half-covering coat). Do not fill the joints with roughcast.

**Histolith® Trass-Porengrundputz:** Apply mixed product by hand or machine. Fill all joints in masonry, then level the full surface with an aluminium straight edge. Cog/roughen the freshly applied surface horizontally with a notched trowel or suitable metal comb. Alternatively allow the surface to stiffen slightly, then roughen with a lattice float, but do not compress or felt.

**Histolith® Trass-Sanierputz:** Apply mixed product by hand or machine and level the full surface with an aluminium straight edge. Allow the surface to stiffen slightly, then roughen with a lattice float, but do not compress or felt.

**Histolith® Feinputz:** Apply mixed product evenly and without lapping by trowel and felt the slightly stiffened surface.

Surface Coating System

Only highly water vapour permeable products are suitable for further coating. Apply preferably Histolith®/Sylitol Dispersionssilikatfarben (emulsion silicate paints), AmphiSilan/ThermoSan Siliconharzfarbe (silicone resin paint) or use Histolith® Kalkfarbe (lime paint) in the interiors. Preliminary fluate the surface with Histolith® Fluat, when tinted products are to be applied.

Consumption

	Histolith® Trass- Vorspritzputz	Histolith® Trass- Porengrundputz	Histolith® Trass- Sanierputz	Histolith® Feinputz
Approx. kg consumption per m <sup>2</sup>	5.0*			
Approx. kg consumption per m <sup>2</sup> /mm of layer thickness		1.1	1.1	1.5

\* When reticularly/net-like applied, with 50 % substrate coverage. Consumption is only a guide value (average values) and may vary, depending on substrate requirements. The exact consumption is best established by a trial coating (test area) on site.

Application Conditions

**Lower Temperature Limit for Application and Drying:**

> +5 °C for product, substrate and ambient air. The products should not be applied in direct sunlight or on sun heated substrates, during strong wind, fog or rain, high relative humidity or imminent rain or frost, etc. or protect the surfaces by suitable means.

Drying/Drying Time

Protect coated surfaces from premature drying during the setting process. Provide for corresponding fast drying by ventilation or dehumidification, when applied in the interiors. Follow the drying times as mentioned below, before applying the subsequent render/plaster coat:

Histolith® Trass-Vorspritzputz: Minimum 1 day, when a bright surface appearance is achieved.

Histolith® Trass-Porengrundputz: 1 day per 1 mm of layer thickness.

Tool Cleaning	<p>Histolith® Trass-Sanierputz:          - When Histolith® Trass-Sanierputz is applied in two layers, allow the first layer to dry for min. 1 day, max. 4 days; allow the second layer to dry for min. 3 days, max. 7 days.          - One coat application on Histolith® Trass-Porengrundputz: Allow to dry for min. 3 days, max. 7 days.</p> <p>Histolith® Feinputz: Coat of paint is applicable after 7 days.</p>
Note	<p>Clean tools/equipment immediately after use with water.</p> <p><b>Advice for Machine Application of Histolith® Trass-Porengrundputz and Histolith® Trass-Sanierputz:</b>          All current plastering machines are suitable (e.g. m-tec, PFT G4). Connect a secondary mixer in order to generate the necessary volume of pores.          Tube length: max. 25 m          Diameter of tube: min. 25 mm          Always start with mortar tube NW 35 at the delivery tube connector.</p>

## Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	<p><b>Histolith® Trass-Vorspritzputz, Histolith® Trass-Porengrundputz and Histolith® Trass-Sanierputz:</b>          Alkaline. Irritating to skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. Wash skin thoroughly after handling. Wear protective gloves/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Further details: See Material Safety Data Sheet (MSDS).</p> <p><b>Histolith® Feinputz:</b>          Alkaline. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. Wash skin thoroughly after handling. Wear protective gloves/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Further details: See Material Safety Data Sheet (MSDS).</p>
Please Note (Status as at Date of Publication)	<p>In Germany: Follow DIN 18 550, VOB part C DIN 18 350 and WTA-Merkblatt/Data Sheet 2-9-04/D. Do not apply hermetically sealed/impermeable coverings like tiles, insulating wallpapers, etc. on the Histolith® Sanierputzsystem.</p>
Disposal	<p>Always apply a finishing coat of paint, when Histolith® Feinputz is used on exterior substrates. Do not use Histolith® Feinputz as plinth render in the area of wall bases. When a felted surface has to be generated in the plinth/wall base area, then Histolith® Renovierspachtel may alternatively be applied as finishing render.</p> <p>Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authority. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.          In Germany: Bags must be completely empty for recycling. Dispose hardened residues of product as mixed construction site and demolition waste.</p>
Giscode	ZP 1
Further Details	<p>According to DIRECTIVE 2003/53/EC amending Directive 76/769/EEC the EU limit value of soluble chromium VI (&lt; 0,0002 % soluble chromium VI of the total dry weight of the cement) can not be guaranteed to be kept below after 6 months of storage for Histolith® Trass-Sanierputz or 9 months of storage for Histolith® Trass-Vorspritzputz, Histolith® Trass-Porengrundputz and Histolith® Feinputz.</p>
Technical Assistance	<p>As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.</p>
Customer Service Centre	<p>Tel.: +49 06154- 71 7 1710          Fax: +49 05154- 71 7 1711          e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a></p>

### System Data Sheet Histolith Trass-Sanierputzsystem · Issue: July 2016

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German System Data Sheet Histolith Trass-Sanierputzsystem · Issued: May 2014