

DATA SHEET

2022/01

# UniPlast

Universal primer for plasters

- facilitates plaster application and treatment
- increases the adhesive capacity of plasters
- limits efflorescence formation



Application:

MINERAL SUBSTRATES / OLD PAINT COATINGS /  
CONCRETE SURFACES / PLASTERBOARDS /  
OPTOTHERM THERMAL INSULATION SYSTEMS



## Product description

UniPlast is a priming product manufactured based on acrylic emulsion, which enhances adhesive capacity. It facilitates the application and treatment of plasters and decreases and equalizes substrate absorptiveness. It is vapor permeable and waterborne with a neutral smell. Available in white color or tinted in accordance with the Color Magic system.

## Technical specification

Classification according to	PN-C-81906
Paint density	approx. 1.5 g/cm <sup>3</sup>
pH	8.5
Consumption/Yield	0.2-0.3 kg/m <sup>2</sup>
Layer drying time	approx. 12 hours
Reinforcement layer drying time before UniPlast application	72 hours
Application temperature	5°C to +25°C
Expiry period	24 months
Packaging	15 kg bucket

## Properties

UniPlast reduces and balances substrate absorptiveness. Does not contain organic solvents.

Facilitates the application of plaster linings and increases their adhesiveness to the substrate by forming a coarse underlying layer for plaster. Resistant to weather conditions.

Intended for final surface preparation before the application of acrylic and silicate-silicone plasters. Decreases plaster mass consumption by adjusting substrate absorptiveness. Facilitates plaster application and achieving the desired structure. Tinted with the plaster color, it prevents the substrate from breaking through.

## Application

Recommended for acrylic and silicate-silicone plasters and application to the mesh-reinforced layer in OPTOTHERM thermal insulation systems, solid, clean, dry and bearing mineral, cement, cement-lime, lime, anhydride substrates, plasterboards, fibrous plasterboards, under-tile sealings, as well as old paint coatings. For use indoors and outdoors. Used in thermal insulation systems.

Facilitates plaster application and achieving the desired structure.

## Substrate

The bonding layer of the substrate must be bearing, solid, degreased, even and dry, as well as free of biological and chemical stains and efflorescence. If there are any algae and/or fungi, the substrate should be mechanically cleaned and then washed with water and disinfected with Optogrunt Fungith. Any loose layers not bound with the substrate (such as loose plaster or exfoliated paint coatings) must be removed. Wash and degrease old and/or soiled substrates using water with the addition of a cleaning agent.

Fresh substrates, such as concrete substrates or cement and cement-lime plasters, may be primed only after they are dry and seasoned. Remove any organic contamination using appropriate agents.

Repair any uneven and defective substrates beforehand. Do not use on horizontal substrates and other building elements subject to long-term exposure to water.

Optogrunt UniPlast may only be applied to fully bound and seasoned substrates.

High alkalinity of, for example, fresh plasters may negatively impact the prime coat layer.

The recommended substrate drying times before Optogrunt Uniplast application:

- reinforced layer in ETICS thermal insulation systems – more than 3 days;
- concrete – more than 28 days;
- traditional cement-lime and lime plasters – more than 14 days;
- thin-layer mineral and mineral-polymer plasters – more than 7 days;
- thin-layer acrylic, silicate-silicone and silicone plasters – more than 3 days;
- thin-layer silicate and sol-silicate plasters – more than 5 days.

## Preparation and application

The product is supplied ready to use. Do not dilute. Diluting will lead to decreasing or losing technical parameters. Apply the primer with a paintbrush, roller or by spraying with an aggregate.

## Conditions of use

Use at temperatures from +5°C to +25°C – this applies to the substrate, ambient and material temperatures. The drying time of the applied primer (at the temperature of +20°C and air relative humidity of 55%) is approx. 12 hours.

It is recommended to wait with application of another layer until the primer is completely dry, i.e. until the next day. Do not use:

- on frozen plasters;
- on building facades during rainfalls and shortly after rainfall, when walls are still wet;
- at excessively high temperatures and/or air humidity and during periods of strong wall exposure to sun and wind.

**Note:** Low temperature and high air humidity extend the drying time even by more than ten hours. Protect the primed surface against rainfalls and moisture condensation until it's completely dry.

### Consumption

Approx. 0.2–0.3 kg/m<sup>2</sup>, depending on the substrate state and the tools used. Establish the precise consumption based on tests.

### Tool cleaning

Wash the tools with water immediately after use.

### Storage

Protect from moisture and store in a dry, cold place on pallets, in the original packaging. Re-seal packaging once opened. Storage time: 24 months in closed, original packaging, at a temperature above +5°C. The manufacturing date is printed on the label.

### Disposal

Only completely emptied packagings are suitable for recycling. Dried remains of the material may be treated as construction waste.

### Safety notes

Use general safety precautions in accordance with the construction occupational health and safety recommendations for plastering works.

The product contains a post-reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [no. EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [no. EC 220-239-6] (3:1). May cause an allergic reaction.

In accordance with the EU Directive, the admissible value of maximum VOC (volatile organic compound) content for this type of product (A/g type) is 30 g/L. VOC content in this product is <1 g/L.

### Supervision

Apart from ongoing external audits, the product is controlled by the laboratory of Hufgard Optolith Bauprodukte Polska Sp. z o.o. in accordance with the applicable reference documents.

### Further information

The above information constitutes product description. Treat them as general guidelines based on our research and experience, which may however not take into account the requirements of specific applications. Therefore, we recommend performing your own tests. No compensation claims shall result from the information provided. The product for which the data sheet has been drafted is a component of thermal insulation systems.

Only materials listed in the European Technical Assessments (ETA) may be used for the thermal insulation system. This applies to all components of a particular system, including: insulation materials, reinforcement meshes and fixing elements. The manufacturer declares that the parameters indicated for a particular system are met if only the components that are specified in this system are used and only in the configurations provided in the system. All design and execution works should be conducted by persons qualified and trained in this respect.

### Reference documents

The product is compliant with:

PN –C-81906

ETA -15/0918 Optotherm 3000

Declaration of performance no.: DOP-PL-3002/16

ETA -17/0878 Optotherm 2001

Declaration of performance no. DOP-ETA-2001/18

Certificate ZKP ITB No. 1488-CPR-0451/Z

Website with declarations of performance (DoP) for Optolith products: [www.optolith.pl](http://www.optolith.pl); Product ID: Optogrunt UniPlast