

# MultiGips

## Technical data sheet

Highly concentrated primer **MultiGips Grundiermittel**



### QUICK REFERENCE DATA

<b>Construction product</b>	<b>Substrate pre-treatment</b> For gypsum plaster <b>Material basis</b> Plastic emulsion <b>Concentrate</b> Dilutable with up to 5 parts water <b>Use</b> On unevenly or highly-absorbent plaster substrates <b>Characteristics</b> Reducing/evening of the absorption properties of plaster substrates <b>Application</b> Manual, mechanical application <b>Plaster system</b> Gypsum interior plaster (EN 13914-2) <b>Efficiency</b> approx. 141 m <sup>2</sup> /15 kg bucket (dilution 1:5)
<b>Documentation</b>	<b>EN</b> multigips.com
<b>Order information</b>	<b>Material number 746</b> 15 kg bucket (pallet with 24 buckets, 360 kg) <b>Material number 747</b> 5 kg bucket (pallet with 48 buckets, 270 kg)
<b>Validity</b>	Technical data sheet only valid in conjunction with the recognised rules of construction technology and the technical documentation of VG-ORTH GmbH & Co. KG.

## MAIN FEATURES

**Construction product** Primer for gypsum interior plaster systems (EN 13914-2). Pre-mixed using pigmented plastic emulsion (dry powder products).

**Application** For improving the plaster adhesion of gypsum interior plaster on unevenly or highly-absorbent plaster substrates by evening out or reducing their absorptiveness, e.g. on masonry of sand-lime, aerated concrete blocks, porous aggregate light concrete blocks or aerated bricks, on existing/mixed masonry in connection with these blocks/bricks, on interior walls of gypsum blocks as well as on (load-bearing) existing/interior gypsum/gypsum-lime plasters.

For improving the bonding of gypsum-based adhesive on unevenly or highly-absorbent substrates before application of gypsum panels and composite boards (dry lining).

On the substrates specified above in a system with MultiGips mechanical, manual and thin coat plasters EN 13279-1, MultiGips CasoFill filler materials EN 13963 (thickness 2-4 mm) and MultiGips adhesive gypsum EN 14496.

Also suitable as a base coat (primer) before the application of coatings such as wallpaper and adhesive work on gypsum interior plasters.

**Product benefits** Water-dilutable primer (very high-yield concentrate).  
Reduces the absorptiveness of plaster substrates that would result in dusting of fresh gypsum plasters without pre-treatment.  
Even drying/hardening of fresh gypsum plasters.  
Yellow pigment for easy visual inspection.  
Outstanding processing characteristics.  
Alkali-resistant.  
Permeable.  
Free from solvents and plasticisers, odourless.  
Emissions tested: No risk to the air in the area.

## TECHNICAL FEATURES

<b>Emulsion</b>	Watery
<b>pH level</b>	8 – 9 (at 20 °C)
<b>Density</b>	approx. 1.0 kg/l (at 20 °C)
<b>Viscosity</b>	Liquid
<b>Pigmentation</b>	Yellow
<b>Consumption</b>	approx. 160 g/m <sup>2</sup> depending on substrate (for dilution 1:3)
<b>Dilution</b>	<b>Highly absorbent</b> Max. 3 parts water, approx. 60 l/15 kg bucket <b>Unevenly absorbent</b> Max. 5 parts water, approx. 90 l/15 kg bucket
<b>Efficiency</b>	<b>Highly absorbent</b> approx. 94 m <sup>2</sup> /15 kg bucket (1:3) <b>Unevenly absorbent</b> approx. 141 m <sup>2</sup> /15 kg bucket (1:5)
<b>Drying time</b>	At least 24 hours
<b>Working temperature</b>	Building element and air temperature no less than +5 °C
<b>Vapour barrier value</b>	80 - 120 μ (dry)
<b>VOC emissions</b>	<b>TVOC<sub>28</sub></b> < 1.0 mg/m <sup>3</sup> <b>SVOC<sub>28</sub></b> ≤ 0.1 mg/m <sup>3</sup> <b>Carcinogen<sub>28</sub> EU Cat. 1 and 2</b> ≤ 0.001 mg/m <sup>3</sup>
<b>VOC content</b>	< 3 g/l VOC (EU limit: < 30 g/l)
<b>Storage</b>	Can be stored for approx. six months. Store closed in a cool location. Protect against frost, intense heat, sunlight, humidity and water. Packaging should be sealed airtight to prevent exposure to the air once opened and used without delay. Storage class: VCI 12 (non-flammable liquid). Do not use goods that have been in storage for longer than intended.

NOTE: The relevant technical figures for the construction product were calculated under laboratory conditions. Consumption, volume and time values may deviate from laboratory values under practical conditions.

## CHARACTERISTICS

- Technical** As primer according to DIN EN 13914-2, DIN 18550-2 for improving the plaster adhesion of gypsum interior plaster on unevenly or highly-absorbent plaster substrates by evening out or reducing their absorptiveness.
- Completely closed film formation after at least 24 h.
- Visual/haptics** The emulsion is coloured yellow to help distinguish between the application surface and the coating.
- Environmental** Fulfils the requirements for use in interiors according to the Federal Environmental Agency in the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety in the Federal Republic of Germany. Extremely low emissions.

## PLANNING PRINCIPLES

**General construction conditions** Construction product for application on unevenly or highly-absorbent substrates to improve the properties of gypsum interior plasters that only achieve their main features after hardening/drying on the substrate. Primers and gypsum interior plasters are therefore subject to the same conditions for the inspection, preparation and pre-treatment of the substrate.

In general, substrates must be sound, dry, dimensionally stable and free of dust, grease and frost. Substrates which are unsuitable, too damp and/or frozen may result in damage.

The recommended minimum temperature from application until the primer is completely dry must be above +5 °C, even at night.

NOTE: The recommended maximum temperature for building elements to be plastered and interiors is +30 °C; the minimum temperature is +5 °C, including overnight.

**Preparation** Testing and preparation in accordance with EN 13914-2.

Depending on requirements and/or the situation, seal up sensitive materials, fittings, building elements and pre-fabricated surfaces, pre-treat exposed metallic materials and fittings in the substrate to prevent corrosion, fill mortar joints and defects, sweep off dust to improve adhesion, remove adhesion-reducing residues, protruding grout and cement, fix cracks.

**Substrate pre-treatment** Testing and pre-treatment in accordance with EN 13914-2.

## APPLICATION PRINCIPLES

**General** Stir construction product well before using, and do not mix with foreign material and/or additives!

Transport and store the product so that it is protected against frost!

NOTE: Frost will permanently damage the emulsion. Do not use emulsion that has frozen and then thawed.

**Application** Use a suitable paint roller, e.g. short pile lambswool roller, or a suitable mechanical process to fully cover the entire surface.

Remove impurities/splashes immediately with water. Material that has already formed a film should be softened with warm water and then removed.

Clean tools with water immediately after use.

**Drying** Primer becomes functional through air drying (evaporation of the water content in the emulsion).

Drying will be complete after at least 24 hours with sufficient cross-ventilation and persistently uniform evaporation (20 °C / 65% relative humidity). Cool temperatures and higher humidity will extend the drying time. The primer will not be sticky once it is completely dry.

To ensure that it dries completely, even in unfavourable conditions, e.g. high relative humidity and insufficient ventilation (as may be the case if construction takes place during the winter), additional measures may be necessary, e.g. condensation drying, to ensure continued uniform evaporation.

**Further treatment** Once completely dry, suitable as a functional primer for the prompt application of gypsum interior plasters.

NOTE: We recommend starting plastering work without delay to avoid deposits of construction dust, which will reduce adhesion.

## SAFETY AND DISPOSAL

<b>Hazard Symbol</b>	None.
<b>Hazard Statements</b>	None.
<b>Precautionary Statements</b>	None.
<b>Disposal Recommendation</b>	Disposal according to official regulations.
<b>European List of Waste</b>	08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19.
<b>Safety data sheet</b>	The information in the current safety data sheet at <a href="http://ce.multigips.de">ce.multigips.de</a> applies.

Technical data sheet for construction product based on harmonised standard. No guarantee of being exhaustive or generally valid; legal claims against VG-ORTH GmbH & Co. KG cannot be based thereon. Only valid in conjunction with the recognized rules of construction technology, as published in the regulations of the professional associations and their professional bodies, as well as in conjunction with the technical documentation of VG-ORTH GmbH & Co. KG. Does not apply to other specified construction products/types in conjunction with their installation. Provides technical information for professional users to improve their understanding and ensure that the construction product is used and applied as intended. Does not substitute compliance with the established rules of construction technology and professional use and design under practical conditions by professional users. Warranted performance by the manufacturer for the powdered form of pre-mixed construction product at time of market introduction. No commitment to a legally binding guarantee of certain properties or suitability for a particular application. Performance characteristics of the applied construction product dependent on substrate inspection and pre-treatment, professional application and requirement-oriented drying / hardening without guarantee. The relevant technical values for the construction product were calculated in accordance with the testing standard. Consumption, volumes and times may deviate from test values under practical conditions. To achieve the physical, structural and construction properties of MultiGips plaster systems, only MultiGips system components or products recommended by VG-ORTH GmbH & Co. KG may be used.

**Note on English translation** This is a translation of the technical data sheet valid in Germany. All stated details and properties are in compliance with the regulations of the EU and German standards and German building regulations. They are only applicable for the specified products, system components, application rules and construction details in connection with the specifications of the respective certificates and approvals. VG-ORTH GmbH & Co. KG denies any liability for applications outside of EU and Germany as this requires changes according to the respective national standards and building regulations.

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