

Tiles and Natural Stone Installation

MULTIGRIP

Multigrip is a single component, adhesion promoting primer, based on a styrene-acrylic resin water based emulsion and selected aggregates.



- Improves adhesion even on smooth or not very absorbent substrates
- Primes surfaces so cementitious adhesives can be applied on gypsum substrates
- Ready to use
- Solvent free



APPLICATION AREAS

- Priming smooth and not very absorbent mineral substrates prior to application of plaster and/or render.
- Pre-treatment on existing ceramic surfaces prior to application of self-levelling mortars.
- Priming of existing ceramic surfaces, concrete, screed, plaster and render prior to application of ceramic flooring and claddings and metallic substrates.

TYPES OF SUBSTRATE

- Brick or plastered walls
- Concrete and lightweight concrete blocks
- Cement screeds
- Wooden substrates and panels
- Anhydrite, gypsum and plasterboard surfaces
- Ceramic tiles, marble chip tiles, natural and artificial stone
- Metallic substrates

TYPE OF MATERIAL TO BE LAID

- Plaster
- Self-levelling mortars
- Cementitious adhesives
- Render

FEATURES

Multigrip is a universal adhesion promoting primer formulated with a blend of water-borne styrene-acrylic resins and graded aggregates. Solvent-free ready-to-use product is suitable for both indoor and outdoor applications, on either horizontal or vertical surfaces. Multigrip can be applied using a roller, regular paint brush or block brush. Applying Multigrip gives a rough, uniform keying surface in colour grey that is ideal for the subsequent application of plaster, render, cementitious adhesives and self-levelling mortars. On highly absorbent surfaces, it reduces and evens out water absorption, so there is no risk of the product not setting properly and drying out too quickly. Once dry, it ensures a strong bond between the layer applied and substrates of various kinds: concrete, lightweight concrete blocks, bricks, stone, plasterboard, gypsum, wood, ceramic, plaster, render, metal etc. The product awarded the EC 1 Plus label by the GEV association for very low emissions of volatile organic compounds.

WARNINGS

- Multigrip is ready to use and must not be diluted and no cement or additives of any kind should be added.
- Multigrip must be mixed until you have a completely even mixture before it is used.
- Multigrip must not be applied on substrates affected by rising damp and/or on substrates that are not sufficiently stable and strong.
- Multigrip must not be applied if temperatures are below +5 °C or over +35 °C, if substrates are frozen or if it is about to rain.

INSTRUCTIONS FOR USE

Preparation

Before applying Multigrip, you must ensure that the substrate is clean, sound and free of all traces of oil, grease, formwork release agents, evaporation retarders or paint. Unsound particles that are not firmly attached to the substrate must be removed thoroughly, along with any grout or cement residue. Do not apply when temperatures are below +5 °C. The temperature must not be allowed to fall below this minimum for the entire duration of the drying period. Do not apply Multigrip if it is foggy or about to rain.

Mixing the product and application

Stir the product until you have a completely even mixture prior to application and apply using a roller, regular paint brush or block brush at a rate of 0,3 – 0,5 kg/m² depending on the substrate's absorption. Once you have allowed the coat of Multigrip to dry (the minimum time required can range from 30 to 90 minutes depending on environmental conditions and the state of the substrate), you can start applying the subsequent product (plaster, mortar, render, cementitious adhesive, etc.). A dried coat of Multigrip, provided it is clean, can be overcoated even several days after application.

Overcoating times

Before applying the subsequent coat, wait until the Multigrip film is dry. Depending on environmental conditions and substrate absorption, this can range from 30 to 90 minutes. Whatever the case, the dried coat of Multigrip can be overcoated even several days later (Note: on the other hand, if the product applied is exposed for long periods of time to varying atmospheric conditions and stress, this may lead to the material deteriorating and poor performance meaning it does not adequately fulfil the required purpose).

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Colour	Grey
Consistency	Creamy liquid
Viscosity (MIT 3/C*)	3 Pa*s
Density (ISO 1184-1/B)	1,49 kg/l

Solids content (EN 480-8)	70 %
pH (ISO 4316)	8
Aggregate particle size (MIT 13*)	0,5 mm
Pull-off strength (EN 1542)	See table**

* Torggler in-house methods (MIT) are available on request.

** Examples:

TYPE OF APPLICATION	WITHOUT TORGGLER MULTIGRIP	WITH TORGGLER MULTIGRIP
Thixotropic mortar on concrete	0,8 N/mm ²	1,8 N/mm ²
Self-levelling mortar on concrete	1,2 N/mm ²	1,7 N/mm ²
Self-levelling mortar on ceramic tiles	0 N/mm ²	0,6 N/mm ²

Color	Grey
Packaging size	15 kg, 5 kg
Packaging	bucket
Pallet	33 buckets, 72 buckets

CONSUMPTION

Coverage with Multigrip ranges from 300 to 500 g/m² depending on the substrate.

STORAGE

The product is stable for at least 12 months if kept in its original sealed container at temperatures in the +5 °C to +35 °C range.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 02.08.2021.