

GRIP PRIMER

Water-based one-component primer

Single-component, water-based primer consisting of resin with special adhesion-enhancing mineral fillers. The material is characterized by its excellent adhesion capacity on extremely smooth and non-absorbent substrates, such as ceramics, metal surfaces and smooth concrete. The product makes a good adhesion bridge for liquid coatings and waterproofing agents.

ADVANTAGES

- Excellent adhesion on smooth and non-absorbent substrates.
- Easy application by brush or roller.
- Ready to use.
- Versatile in many applications.
- Fast drying.
- Suitable as a primer for liquid waterproofing systems.

YIELD

0.15 - 0.20 kg/m².

COLOUR

Transparent.

PACKAGING

20 kg plastic buckets.

5 kg plastic buckets.

Pallets:

- No. 48 20 kg buckets (960 kg);
- No. 20 cartons (4 pieces each - 400 kg).

APPLICATION FIELDS

Product designed to improve anchorage on smooth and low absorbent substrates such as tiled surfaces, metal and smooth concrete. Thanks to the adhesion given by *Grip Primer*, these supports can then be coated with Diasen liquid waterproofing systems and liquid finishes. The product can be applied both indoors and outdoors.

STORAGE

The product must be stored in its original perfectly closed containers, in well ventilated areas, away from sunlight, water and frost, at a temperature between +5°C and +35°C. Storage time 12 months.

SUBSTRATE PREPARATION

The substrate must be fully cured (properly cured) and have sufficient strength. The surface must be thoroughly clean, dry, free of crumbling and loose parts and free of rising damp. In the presence of moisture, use *WATstop* vapour barrier primers in combination with acrylic products or *Vaposhield* suitable with epoxy or polyurethane products (see respective data sheets). The substrate must be as even and workable as possible. Before applying the product, it is recommended to cover any elements that are not to be coated.

Concrete

In the case of new concrete substrates, these must be sufficiently cured and have undergone adequate shrinkage. In the presence of deteriorated and crumbling concrete, provide restoration with *Rebuild⁴⁰ R4* (see technical data sheet). On screeds in contact with the ground or affected by rising damp use *WATstop* or *Vaposhield* products (see data sheets) as an alternative to *Grip Primer*.



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Tiles

Old floor tiles must be adhered to the substrate (if not, remove them and fill with cement mortar) and must not have any traces of detaching substances on the surface, such as grease, waxes, oils, chemicals, etc.

For applications on glazed tiles, it is advisable to roughen the substrate by sanding it with a diamond disk and clean it thoroughly. Given the wide variety of tiles on the market, we recommend carrying out a test to check the perfect adhesion of the product. If you need to grout joints, use a specific mortar or the *WATstop* or *Vaposhield* product as a filler applied with a steel or rubber trowel (see technical data sheet).

Metal

Before applying *Grip Primer*, apply a suitable anti-rust product. If the metal surface is painted, we recommend carrying out an adhesion test to check suitability for application.

For substrates not listed in the technical data sheet, contact the Diasen technical office.

MIXING

Mix the product thoroughly before use to make it homogeneous. A maximum of 5% clean water may be added in extremely hot weather conditions. Adding a higher percentage of water could compromise the effectiveness of the product. Never add foreign components to the mixture.

APPLICATION

Apply *Grip Primer* in a single coat by means of a long-haired roller or brush, allowing the product to penetrate well into the substrate and ensuring total coverage of the surface.

DRYING TIMES

At a temperature of 23°C and 50% relative humidity, the product dries completely in

approximately 4 hours.

- Drying times are influenced by the relative humidity of the environment and temperature, and can vary significantly.
- If the product is applied in thick layers, the drying time is considerably longer.
- Once the drying time has elapsed, you can continue with the application of the chosen waterproofing or coating.
- When applied to metal surfaces, *Grip Primer* dries more slowly.
- Once completely dry, *Grip Primer* can be coated with *Diasen* acrylic, polyurethane or epoxy resins, or with *Diasen* walkable, driveable on and reflective coatings.

INDICATIONS

- Do not apply at ambient and substrate temperatures below +5°C and above +35°C.
- During the summer season apply the product during the cooler hours of the day, out of the sun.
- Do not apply with imminent danger of rain or frost, in heavy fog or with relative humidity above 70%.
- Do not wet the primed surface before applying the waterproofing or coating.

CLEANING

The equipment used can be washed with water before the product hardens.

SAFETY

During handling use personal protective equipment and follow the safety data sheet.

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The indications and prescriptions given, while representing our best experience and knowledge, are to be considered indicative and must be confirmed by exhaustive practical applications. Diasen does not know the specifics of the processing and even less the determining characteristics of the application support. Therefore, before using the product, the applicator must in any case carry out preliminary tests to verify its perfect suitability for the intended use and, in any case, assume all responsibility that may arise from its use. In the event of any uncertainties or doubts, contact the company's technical office before starting work, it being understood that this support is merely an aid for the applicator, who must in any case guarantee that he/she possesses adequate skills and experience for laying the product and for identifying the most suitable solutions. Always refer to the latest updated version of the technical data sheet, available at www.diasen.com which cancels and replaces all others.

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* The data shown, although carried out according to standardised test methods, are indicative and may be subject to change as specific site conditions vary.

Technical data *

Main features		Units
Yield	0,10 – 0,15	kg/m ²
Aspect	milky texture	-
Colour	colourless / transparent	-
Application temperature	+5 / +30	°C
	+41 / + 86	°F
Drying time (T=23°C; U.R. 50%)	1	hours
Storage	12	months
Packaging	5 kg plastic buckets	kg

Final performances		Units	Norm	Result	
Adhesion on concrete	Adhesion test – pull off	1,66	UNI EN ISO 4624 ASTM D4541	-	
Adhesion on tiles		4,17	UNI EN ISO 4624 ASTM D4541	-	
Adhesion on metal		1,50	UNI EN ISO 4624 ASTM D4541	-	
Adhesion on polyurethane foam board		1,33	UNI EN ISO 4624 ASTM D4541	-	
Adhesion of the <i>Grip Primer + Decorkrete</i> system on concrete		1,17	MPa = N/mm ²	UNI EN ISO 4624 ASTM D4541	Type A/B breakage between concrete and <i>Grip Primer</i>
Adhesion of the <i>Grip Primer + Decorkrete</i> system on tiles		1,00		UNI EN ISO 4624 ASTM D4541	Type C break within <i>Decorkrete</i>
Adhesion of the <i>Grip Primer + Decorkrete</i> system on metal		1,17		UNI EN ISO 4624 ASTM D4541	Type C break within <i>Decorkrete</i>
Adhesion of the <i>Grip Primer + Decorkrete</i> system on OSB panel		1,42		UNI EN ISO 4624 ASTM D4541	Type C break within <i>Decorkrete</i>
Water vapour permeability	S _d = 0,49 m	m	UNI EN ISO 7783	-	



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