

# GRIP PRIMER

One-component water based primer

One-component water-based primer composed of resin supplemented with special mineral adjuvant for adhesion. The material is characterized by excellent adhesion on extremely smooth and non absorbent substrates such as ceramics, metal surfaces and smooth concrete. The product is a valid bonding for liquid waterproofing and coatings.

## BENEFITS

- Excellent adhesion over smooth and non absorbent surfaces.
- Easy application by roll or brush.
- Ready to use.
- Multipurpose.
- Fast drying.
- Suitable as primer for liquid waterproofing systems.

## APPLICATION FIELD

The product is studied to improve the adhesion over smooth and non absorbent substrates such as tiled surfaces, metal surfaces and smooth concrete.

Thanks to the adhesion properties of *Grip Primer*, the above mentioned substrates can be coated with Diasen liquid waterproofing systems and liquid finish. The product can be applied both inside and outside.

## YIELD

0.15 – 0.20 kg/m<sup>2</sup>.

## COLOUR

Clear.

## PACKAGING

20 kg plastic bucket.

5 kg plastic bucket.

Pallet: n° 48 buckets, 20 kg each (960 kg).

n° 20 boxes (4 pieces each – 400 kg).

## STORAGE

Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight, water and ice, at temperature between +5°C (+41°F) and +35°C (+95°F).

Storage time: 12 months.

## PREPARAZIONE DEL SUPPORTO

The support must be completely hardened and resistant enough. The surface must be thoroughly clean, dry, without debris or detaching parts and without rising damp. In case of damp use *WATstop* as vapour - barrier primer together with acrylic products or use *Vaposhield*, together with epoxy or polyurethane products (see respective technical data sheets).

The support must be as regular and as workable as possible.

Before the product application, it is recommended to cover any element that will not be coated.



Diasen srl

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ANCONA

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Products and systems for the protection and  
restoration of concrete structures–  
Part 2: Systems to protect concrete surfaces

Water vapour permeability:

S<sub>d</sub> = 0.49 m



For application video,  
product page, safety data  
sheet.

## Primer – water based

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen does not know the peculiarities of the application and the crucial features of the substrate where the product will be applied. Therefore, before the application of the product, the applicator must perform a preliminary test to verify the perfect suitability for the intended use and, anyway, the applicator is liable for any use of the product. In case of doubts, please contact our technical office before starting the work, provided that such support is simply a help for the applicator, which shall in any case ensure the possession of appropriate skills and experience for the installation of the product and to identify the most appropriate solutions. Please refer to the updated version of the data sheet, available on [www.diasen.com](http://www.diasen.com) website that supersedes all others.

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## Technical data

Features		Unit
Yield	0.15 – 0.20	kg/m <sup>2</sup>
Aspect	liquid	-
Colour	transparent	-
Dilution	If necessary, maximum 5% of water	-
Application temperature	+5 /+35	°C
Drying time (T=20°C/68°F; R.H. 40%)	4	Hours
Storage	12 months in original containers and in dry places	Months
Packaging	5 and 20 kg plastic bucket	kg

Final performances		Unit	Regulation	Results
Adhesion on concrete Adhesion Test pull – off	1.66	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	-
Adhesion on tiles Adhesion Test pull – off	4.17	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	-
Adhesion on metal Adhesion Test pull – off	1.50	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	-
Adhesion on polyurethane foam panel Adhesion Test pull – off	1.33	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	-
Adhesion of the system <i>Grip Primer</i> + <i>Decorkrete</i> on concrete Adhesion Test pull – off	1.17	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	Break type A/B (between concrete and <i>Grip Primer</i> )
Adhesion of the system <i>Grip Primer</i> + <i>Decorkrete</i> on tile Adhesion Test pull – off	1.00	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	Break type C (inside <i>Decorkrete</i> )
Adhesion of the system <i>Grip Primer</i> + <i>Decorkrete</i> on metal Adhesion Test pull – off	1.17	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	Break type C (inside <i>Decorkrete</i> )
Adhesion of the system <i>Grip Primer</i> + <i>Decorkrete</i> on OSB panel Adhesion Test pull – off	1.42	MPa = N/mm <sup>2</sup>	EN ISO 4624 ASTM D4541	Break type C (inside <i>Decorkrete</i> )
Water vapour permeability	S <sub>d</sub> = 0.49 m	m	EN ISO 7783	-

The above data, even if carried out according to tested methodologies, are indicative and may change when specific building site conditions vary.

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## Concrete

In presence of new realised cement substrate, this must be dry and cured enough.

In case of damaged or crumbly concrete, restore it with *Rebuild CLS* (see technical data sheet).

On screeds in contact with the ground or subjected to rising damp, use *WATstop* or *Vaposhield* (see technical data sheets) instead of *Grip Primer*.

## Tiles

Old tiles must be well bonded to the support (otherwise remove them and fill with cement mortar) and must not present on the surface any debris or detaching parts such as greases, waxes, oils, or chemical products etc.

For application over glazed tiles, it is recommended to sand the surface with diamond slitting wheel and clean it perfectly.

Given the wide range of tiles that can be found on the market, it is recommended to realise a test in order to verify the perfect adhesion of the product. If there is the need to plaster the joints, use a specific mortar or *WATstop* or *Vaposhield* as filler by steel or rubber trowel (see respective technical data sheets).

## Metal

Before the application of *Grip Primer*, apply the anti rust product *Rust Converter* (see technical data sheet). If the metallic surface is painted, it is recommended to perform an adhesion test to verify the suitability of the application.

For all those supports not mentioned in technical data sheet please contact Diasen technical department.

## MIXING

Mix perfectly the product to make it homogeneous. In case of extremely hot climatic conditions it is possible to add maximum 5% of clean water.

The addition of a higher water percentage could compromise the efficiency of the product. Never add other substances to the mixture.

## APPLICATION

Apply *Grip Primer* in one coat by long-haired roll or by brush taking care to completely cover the surface.

## DRYING TIME

At a temperature of 20°C/68°F and 40% relative humidity, the product dries in about 4 hours.

- Drying time is influenced by environmental relative humidity and by temperature and may significantly change.
- Once the product is dry, protect it from sun, ice and water.
- If applied over metal surfaces, *Grip Primer* dries more slowly.

If applied with a higher yield than the expected one, drying time may significantly increase.

Once *Grip Primer* is completely dry, it can be coated with *Diasen* acrylic, polyurethane or epoxy resin or with *Diasen* walkable, reflective or vehicle accessible coatings.

## SUGGESTIONS

- Do not apply with temperature lower than +5°C (+41°F) and higher than +35°C (+95°F).
- During summer season apply the product in the cooler hours of the day.
- If used outside, do not apply with imminent threat of rain or ice, in conditions of strong fog or with relative humidity level higher than 70%.
- Do not wet the surface treated with the primer before the application of the waterproofing or of the covering.

## CLEANING

Wash tools with water before the product hardens.

## SAFETY

While handling always use personal protective equipment and respect the instructions described in product safety data sheet.

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