

# COLOR PRIMER

*Water-based single-component white undercoat for decorative finishes*

**Opaque white primer, consisting of special resins and fine quartz for decorative coatings and finishes, for exterior and interior application to mineral surfaces, new or old plaster and pre-existing coatings. Also suitable as a primer on smooth, non-absorbent surfaces.**

## BENEFITS

- Adequate as base for decorative finishes;
- High coverage;
- Excellent adhesion over smooth and non-absorbent surfaces;
- Easy application by roll or brush;
- Breathable;
- Ready to use;
- Fast drying;
- Solvent free and odourless.

## YIELD

0.15 – 0.2 kg/m<sup>2</sup> based on the absorption of the surface.

## COLOUR

White.

## PACKAGING

15 kg (33.07 lb U.S.) plastic bucket.

Pallet:

- n° 80 buckets 15 kg (33.07 lb U.S.) each (1200 kg / 2645.5 lb U.S).

## APPLICATION FIELDS

The product is studied to realise a covering white foundation, elastic, without cavils and breathable over surfaces such as mineral and old and new plasters. The product should be applied before coatings, decorative water-based finishes and decorative cork-based finishes *Decork Design* and *Decork Alfareflex* (see technical sheet). *Color Primer* confers an excellent adhesion even over smooth and not absorbent surfaces. The product can be applied both inside and outside.

## 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.

## PREPARATION OF THE SUPPORT

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 (see technical data sheet). The support must be as regular and as workable as possible. Does not apply over paintings, putty or gum seals.

## Old plaster

Verify that the plaster would be consistent and well bounded to the support, on the contrary it is possible to remove it partially or totally. In case of painted plasters, verify that the paintings would be well bounded to the plaster by using the hitting way in more parts of the surface.

In case of structure paintings based on dispersions and plastic plasters, clean very well surfaces (for example with washing water) and leave to dry before to apply *Color Primer*.

Taking in consideration the wide variety of paintings in the market, we suggest to do a trial to verify the system adhesion.



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## Surfaces attacked by seaweeds, moulds and fungus.

Remove completely the formation, clean the surface foundation, leave it drying well, treat with disinfectant, leave again to dry and apply *Color Primer*.

## Emerging of the salpêtre

To remove salpêtre, dry brushed the surface. It is not possible to guarantee the perfect adhesion of *Color Primer* over surfaces damaged by salpêtre.

## Concrete

In presence of new realised cement substrate, this must be dry, cured enough and should have completed the adequate retirement. In case of damaged or crumbly concrete, restore it with suitable concrete putty.

## Metal

Before the application of *Color Primer*, apply an anti-rust product. Zinc surfaces should be cleaned with detergents and roughed by abrasive paper. Wash it deeply. If the metallic surface is painted, it is recommended to perform an adhesion test to verify the suitability of the application.

## Masonry, refractory stone, calcareous sandstone or bricks

Verify that junctions are not cracked, that materials to be treated are resistant to ice and that humidity is homogeneous before *Color Primer* application. Do not apply over damaged surfaces by iron, nicotine and soot salts. For all those supports not mentioned in technical data sheet please contact Diasen technical department

## MIXING

The product is ready to be used, mix perfectly the

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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 *Color Primer* in one coat by long-haired roll or by brush, taking care to penetrate and completely cover the surface.

## DRYING TIME

At a temperature of 23°C (73.4°F) and 50% 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 with a higher yield than the expected one, drying time may significantly increase.

Once completely dry, *Color Primer* can be coated with *Diasen* decorative finishes.

## 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%.
- Protect the product from water contact as far as it dries completely.
- Do not wet the surface treated with the primer before the application of the waterproofing or of the covering.
- Before *Color Primer* application, cover each element that should not be treated.

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## 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 for the product.

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

Technical data *		
Features		Unit
Yield	0,15 - 0,20	kg/m <sup>2</sup>
Aspect	liquid	-
Colour	white	-
Dilution	if necessary, maximum 5% water	-
Application temperature	+5 /+35	°C
	+41 / +95	°F
Drying time (T=23°C / 73.4°F; R.H. 50%)	4	hours
Storage	12 months in original packaging and in a dry place	months
Packaging	15 kg plastic buckets	kg

Final performances		Unit	Regulation
Adhesion on concrete	Adhesion Test pull – off	1.66	EN ISO 4624 ASTM D4541
Adhesion on metal		1.50	EN ISO 4624 ASTM D4541
Adhesion on polyurethane foam panel		1.75	EN ISO 4624 ASTM D4541
Adhesion on painted zinc- plated		0.50	EN ISO 4624 ASTM D4541



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