

# PLASTERPAINT COLOURED

Coloured water-repellent and breathable liquid finish for outdoor applications

Coloured liquid coating for exteriors, water-repellent, breathable, based on potassium silicate, calcareous sandstone and natural pigments, used as protective finish for external facades (grain size 0,06 - 0,1 mm). It is ideal to finish thermo-acoustic plaster made of Diathonite, as it prevents the absorption of meteoric water by the masonry.

## BENEFITS

- Quick and easy to apply
- Breathable
- Fibre-reinforced
- Water repellent
- High resistance to weathering and UV rays
- Non-damaging
- Solvent free product.

## YIELD

0,50 kg/m<sup>2</sup>

1 gallon covers about 125 ft<sup>2</sup>.

## COLOUR

Custom colours as per the NCS system.

## PACKAGING

25 kg (4.4 gal U.S.) plastic bucket.

Pallet: 48 buckets (1200 kg || 211.2 gal U.S.)

## APPLICATION FIELDS

Coloured liquid coating ideal for the decoration of facades and walls and for the coating of thermal coats made with Diathonite products in combination with *Argatherm. Plasterpaint Colorato* is designed to coat old paints and dry, compact, absorbent and cohesive mineral coatings. It can be applied on old and new plasters. Product for indoor applications.

## STORAGE

Store the product in its original containers tightly closed, away from sun, water and frost, and kept at

temperature higher than +5°C / +41°F. Storage time: 12 months.

## PREPARATION OF THE SUPPORT

The support must be completely hardened and solid. Apply on sufficiently mature and adequately shrunk supports. The surface must be thoroughly clean, dry, well consolidated, without crumbling and inconsistent parts and perfectly levelled. In order to avoid possible cracks on the smoothing product, it is advisable to apply the paint within 30 days from the end of the smoothing process, and in any case before the winter season.

## MIXING

Dilute with 10-20% water. Mix the mixture with a drill mixer before application. The water indicated on the packaging is indicative. A more or less fluid product can be obtained depending on the application to be carried out. Never add external components to the mixture.

## APPLICATION

1. Apply the fixative impregnator *D20* with a brush or roller. This compound allows for less consumption of topcoat, as it makes the substrate smoother and less absorbent, improving adhesion and durability of the paint.



## FINISHES - liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on [www.diasen.com](http://www.diasen.com).

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- When *D20* has completely dried out, apply a first coat of *Plasterpaint Coloured* with a brush or short-hair roller and wait for it to dry completely. In case of rain on a product that is not perfectly dry, carefully check the suitability for the subsequent coating.
  - Apply a second coat of *Plasterpaint Coloured* until the substrate is completely covered. If applied on particularly absorbent substrates, a third coat may be necessary. For a better result and a more homogeneous coating, it is advisable to cross-coat.
- During summer season, apply the product in the cooler hours of the day, away from sunlight.
  - Do not apply with imminent threat of rain or frost, in conditions of strong fog or with relative humidity higher than 70%.

## DRYING TIME

At a temperature of 23 ° C and relative humidity of 50% the product dries completely in 3 hours.

- Drying times are affected by relative humidity and temperature of the environment, and can also vary significantly.

## SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +5°C (34°F) and higher than +35°C (95°F).

## CLEANING

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

## SAFETY

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

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\* These data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.

Technical Data *		
Features		Unit
Yield	0.5 kg/m <sup>2</sup> 1 gallon covers about 125 ft <sup>2</sup>	kg/m <sup>2</sup>
Aspect	liquid	-
Colour	Custom colours as per the NCS system	-
Dilution	10-20% clean water	-
Consistency	liquid	-
Waiting time between the 1 <sup>st</sup> and 2 <sup>nd</sup> coat (T=23°C ≈ 73.4 °F; R.H. 50%)	3	hours
Application temperature	+5 / +35	°C
	+41 / + 95	°F
Maximum humidity	70%	-
Drying time (T=23°C ≈ 73.4 °F; R.H. 50%)	3	hours
Working temperature	-15 / +40	°C
	+5 / +104	°F
Storage	12 months in original container and in dry places	months
Packaging	25 kg	kg
	4.4 gal	gal

\*\* 1680 hours of accelerated ageing corresponds to approximately 10 years. This correspondence is purely indicative and may vary considerably depending on the climatic conditions of the place where the product is used.

Final performances		Units	Regulations	Results
Water vapour transmission rate	651 g/m <sup>2</sup> in 24 ore	g/m <sup>2</sup>	UNI EN ISO 7783-1:2001	-
Vapour resistance 1 mm thickness	μ = 7	-	-	Highly breathable
(Weathering Test**)	1680 (>10 years**)	hours	UNI 11507:2007	Resistant
Resistance to 50 freeze-thaw cycles (-15°C/+15°C)	Unchanged	-	UNI EN 202	Unchanged
Fire Resistance	Not flammable	-	-	Not flammable



## FINISHES – liquid

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