



DECORFINE 500 DECORFINE 900

LIME AND HYDRAULIC BINDER BASED WATER-REPELLENT TRANSPIRING DECORATIVE COATING FOR INTERIOR AND EXTERIOR FINISHES

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
 ALLOWS TO BREATHE	 ECO GREEN	 RECYCLABLE	 MIX MECHANICALLY	 APPLY BY INOX SPATULA STORAGE: IN A DRY PLACE

PROBLEM

COATING AND DECORATING EXTERIOR WALLS WITH TRANSPIRING PRODUCTS



SOLUTION

Highly transpiring damp-proofing plaster need finishes which enhance this important feature and enable mineral compatibility and easy application. The finishes must respect the most ancient and natural aesthetics.

DECORFINE 500 and **900** are pre-mixed powders based on hydrated lime, hydraulic binders, fine selected mineral aggregates and additives that improve their workability. The maximum particle sizes are 0.5 e 1 mm respectively.

The special formulation guarantees excellent water vapour breathability coupled with resistance to water, meaning it becomes water repellent just after hardening.

DECORFINE 500 and **900** are highly workable so they can also be used on large surface areas and ensure excellent adhesion to various types of support. In particular, they guarantee that water vapour is taken outside, hence allowing the wall to breathe in order to protect rooms from the problems caused by damp.

APPLICATION FIELDS

DECORFINE coatings are particularly suitable as an aesthetic solution where the hygrometric balance of walls needs to be maintained with a highly transpiring coating and a natural appearance in terms of composition and colour.

Thanks to the use of top quality mineral pigments, the attractive finish characteristic of **DECORFINE 500** and **900** is obtained, which can satisfy all aesthetic requirements both in the recovery of historical buildings and for modern finishes.

The "chiaroscuro" and glazing effects obtained by smoothing, thanks to the natural composition, give the finish a top quality appearance in historical settings.

ADVANTAGES

- Impedisce il trasporto dei sali igroscopici.
- Facilità d'impiego.
- Non diminuisce la traspirabilità.
- Non crea film barriera vapore.
- Elevata penetrazione anche su materiali estremamente compatti.



METHOD OF USE

• SURFACE PREPARATION

Surfaces like plaster or concrete must be cleaned to remove any release agents, crumbly parts, surfacing salts, dust and dirt in general. Plastered surfaces must be smooth and uniform for easier application. In summer wet the surfaces beforehand and do not work on walls exposed to the sun during the hottest times of day. If necessary, apply a coat of primer to smooth out the base.

• MIX PREPARATION

DECORFINE 500 and **900** need to be mixed with clean water only (approximately 4.8-5.0 litres of water per 25 kg bag). Mix the product in a cement mixer or using a twist drill for a maximum of 3 minutes avoiding the absorption of air (1).

• APPLICATION

Apply the product using a stainless steel float, smoothing out to an even thickness (2).

To finish off **DECORFINE 500** use a sponge trowel.

To finish off **DECORFINE 900** use a smooth plastic trowel.

• COVERAGE

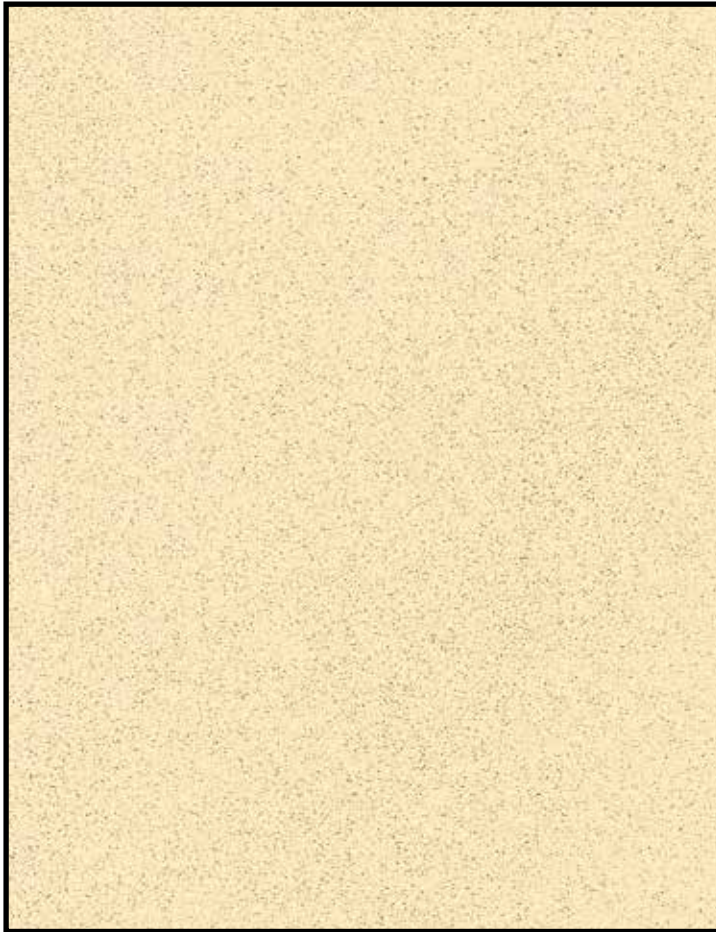
DECORFINE 900: approx. 2-2,5 kg/m².

DECORFINE 500: approx. 2,5-3 kg/m².

(See following)

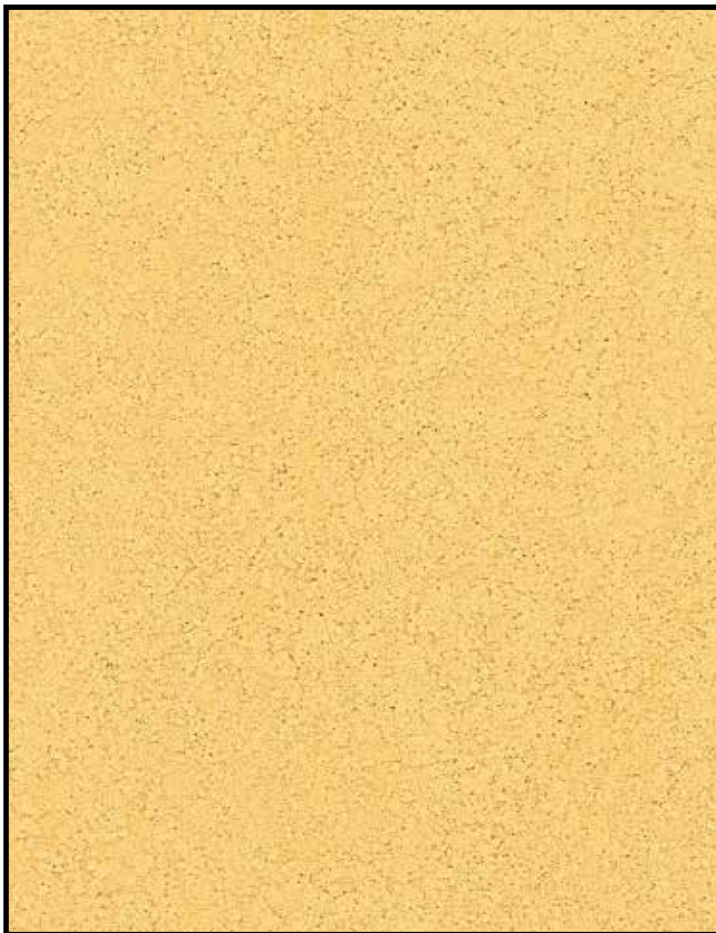


GRANULOMETRY



DECORFINE 500

Max particle size 0,5 mm



DECORFINE 900

Max particle size 1 mm

TABLE OF AVAILABLE COLOURS



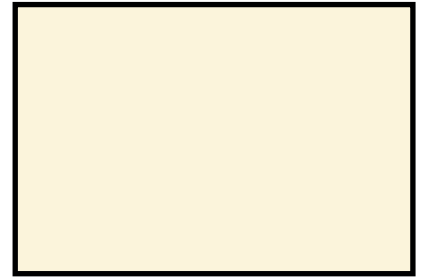
WHITE

101



"CARNIA" GREY

202



"IVORY" YELLOW

303



"SAND STONE" YELLOW

304



"FLORENCE" YELLOW

305



"SIENA" YELLOW

306



"ROME" YELLOW

307



"SUN" YELLOW

308



"EARTH" ORANGE

409



"VENICE" ORANGE

410



"VERONA" ORANGE

411



"PEACH" PINK

512



"PORTUGAL" PINK

513



"ANTIQUÉ" PINK

514



"CORAL" PINK

515

TECHNICAL CHARACTERISTICS

	Standard	DECORFINE 500	DECORFINE900
Appearance		Powder	Powder
Colour		15 colours	15 colours
Apparent density		1.50 ± 0.05 kg/ℓ	1.75 ± 0.05 kg/ℓ
Particle size		0÷0.5 mm	0÷1.0 mm
Mixing water		20%	19%
Storage in original packaging in a dry place		12 months	12 months
Mix properties and workability	Standard		
Density of the mix	EN 1015-6	1.75 ± 0.05 kg/ℓ	1.90 ± 0.05 kg/ℓ
Application temperature		+5°C ÷ +35°C	+5°C ÷ +35°C
Minimum application thickness		1 mm	1 mm
Maximum application thickness per layer		2 mm	2 mm
Application		manual	manual
Performance characteristics	Standard	Product performance	Product performance
Classe e tipologia	EN 998-1	CR	CR
Resistance to compression	EN 1015-11	13 N/mm ² - class IV	13 N/mm ² - class IV
Resistance to bending	EN 1015-11	4 N/mm ²	4 N/mm ²
Adhesion	EN 1015-12	≥1.0 N/mm ² - FP: B	≥1.0 N/mm ² - FP: B
Water absorption	EN 1015-18	w < 0.4 kg/m ² ·h ^{0.5} - W1	w < 0.4 kg/m ² ·h ^{0.5} - W1
Water vapour permeability coefficient	EN 1015-19	μ = 15	μ = 15
Thermal conductivity λ_{10,dry}	EN 14891	0,76 W/mK	0,76 W/mK
Durability	EN 998-1	5.2.3.2 compliant	5.2.3.2 compliant
Thermal resistance - Working temperature		-30°C ÷ +90°C	-30°C ÷ +90°C
Reaction to fire	EN 13501-1	A1	A1
Hazardous substances	EN 998-1	According note in ZA.1	According note in ZA.1

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbcency of the base coat.

Compliant with the general principles defined in **EN 998-1** - Principles for evaluation of the use of products and systems.

(See previous)

• PRECAUTIONS

- Use cold water in summer and water at 20°C in winter.
- Application temperature from +5°C to +35°C.
- Do not add any other materials, such as bonding agents, aggregates and additives.
- Wet the surfaces if temperatures are high but without wetting the product after application.
- Do not add water once the mix starts to set.
- Avoid sudden temperature changes while the plaster is hardening.

- Too much water in the mix reduces the resistance properties of the products and can cause whitish bloom of insoluble calcium carbonate.
- For applications on surfaces with different absorption properties, for example old patched up plaster, it is best to make the setting more uniform by applying a coat of PRIMER FIX.
- Protect from frost, from drying too quickly and from precipitation in the natural setting period. To prevent problems connected

- with atmospheric precipitation it is recommended to impregnate external walls with the water-repellent product IDROCOAT after the application of coloured finishes.
- Store in original closed packaging in a dry place. Protect against frost or high temperatures.

REFERENCES



PACKAGING

DECORFINE 500
DECORFINE 900
25-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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Construction Systems and Products

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the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering