

LIMEPAINT

Water based paint for inside, highly breathable

High covering and high breathable liquid coating, lime based, used as finish for inside and ceilings. The product is suitable to finish Diathonite thermal and acoustic plaster because it does not close the porosity of the material and it does not alter the breathability of the plaster.

BENEFITS

- It respects the thermal hygrometry of the substrate;
- Highly breathable;
- Do not obstruct the porosity of the support;
- Excellent coverage of the substrate;
- Prevents the formation of mold;
- Easy and fast to apply;
- Non toxic;
- Solvent free.

APPLICATION FIELDS

Product studied to finish dehumidifying plaster made with Diathonite dehumidifying system and to finish acoustic plaster made with *Diathonite Acoustix*. The product is suitable to decorate internal walls and ceilings. The product could be applied on finish dry, mineral, compact and absorbent plasters. Suitable only for interior.

YIELD

0.35 kg/m².
1 gallon covers about 186.27 ft².

COLOUR

White.
It can be done in any NCS colour.

PACKAGING

20 kg (3.30 gal U.S.) plastic bucket.
Pallet: 48 buckets (960 kg – 158.50 gal U.S.).

STORAGE

Store the product in its original and closed containers, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C (41°F) and +35°C (95°F). Storage time: 24 months.

SUPPORT PREPARATION

The support must be perfectly hardened, dry and resistant. The surface must be thoroughly clean, well consolidated and without debris or detaching parts and perfectly leveled. Before the application of the product, please cover thresholds, window frames and any elements that will not be coated. Any crack or decayed parts of the support must be restored before the application of the product.

Diathonite-line plasters, new plasters or smoothers.

Make sure that the plaster is well propped, so that the surface remains less rough as possible, if this is not possible, apply a coat of smoother *Argacem HP* (see technical data sheet). Whether on smoothers or directly on plasters apply the specific fixative *D20* (see technical data sheet).

To avoid cracks on the skim coat, it is recommended to apply the paint until 30 days after the application of the smoother.



Diasen srl

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Products and systems for the protection and repair of
concrete structures –
Part 2 : Systems for the protection and repair of
concrete structures

Water vapour permeability: $S_D = 0.03 \text{ m} / 0.10 \text{ ft (class I)}$



For application video, product page, safety data sheet and other information.

Finishes - Liquid

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. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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Technical Data

Features		Units
Yield	0.35 1 gallon covers about 186.27ft ²	kg/m ² 1 gal U.S. x ft ²
Aspect	semi-dense	-
Colour	White. It can be done in any NCS colour	-
Dilution	30-40% of water	-
Mixture consistency	paste	-
Waiting time between 1st and 2sn coat (T=20°C - 68°F; R.H. 40%)	6	hours
Application temperature	+5 /+35	°C
	+41/ +95°F	°F
Max humidity	70%	-
Drying time (T=20°C; R.H. 40%)	6	hours
Storage	24 months in original container and in dry places	months
Packaging	20 kg (3.30 gal U.S.) plastic bucket	kg - gal U.S.

Final performances		Units	Regulations	Results
Weathering test resistance	1000 hours (>5 years*)	hours / years	EN ISO 11507	-
Film formation temperature	+5	°C	-	-
	+41	°F	-	-
Water vapour permeability	S _D = 0.03	m	EN 7783	(class I)
	S _D = 0.10	ft	-	-

* 1000 hours of weathering test is equal to about 5 years. This equivalence is merely indicative and it may vary depending on weather conditions. The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

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Old plaster

Ensure that the plaster is consistent and well stiked to support, if not, consider the partial or total removal and the reconstruction of the same.

In case of painted plasters, take away possible detaching paints, then fill the imperfections and sand. Before the application of *Limepaint*, use always the primer *D20* (see the technical data sheets).

Concrete

In presence of damaged concrete and crumbly, consider the restoration with *Rebuild⁴⁰ R4* mortar (see technical data sheet).

In case of smooth concrete, on non wet supports, use the primer *D20* (see technical data sheet).

Drywall

On plasterboard surfaces, ensure that the joints are filled and sanded perfectly, then apply the fixative *D20* (see technical data sheet).

For supports that are not present in technical data sheet, please contact the Diasen technical department.

MIXING

Dilute the product with 30-40% of water. Before the application, mix the compound with mixing drill. Do not add anything to the compound.

APPLICAZIONE

1. Wait the drying of fixative used.
2. Once the fixative is dry, apply a first coat of *Limepaint* by brush, roll or airless and wait until it is completely dry (about 6 hours at a temperature of 20°C / 68°F e 40% of relative humidity level).
3. Apply a second coat of *Limepaint* to completely cover the surface. For a better result and a more homogeneous coating, we advice to cross the two coats.

DRYING TIME

At +20°C (+68°F) and with a relative humidity level of 40%, the product dries completely in 6 hours.

- Drying time is influenced by relative humidity level and by temperature and may change significantly. If applied with an higher yield than the expected, the drying time may increase significantly.

SUGGESTIONS

- Do not apply at environmental and support temperatures lower than +5°C (+41°F) or higher than +35°C (+95°F).
- During summer season apply in the cooler hours of the day, away from sun.
- Do not apply with relative humidity level higher than 70%, away from sunlight.
- Product for inside, do not apply outside.
- Apply the product on completely hardened surfaces.
- Store the product in its original and closed containers.

CLEANING

Wash tools with water before product hardening.

SAFETY

While handling wear protective equipment and see product safety sheet.

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