



la marque
du bâtiment

ETANCH EAU

WATERPROOFING MORTAR WITH SURFACE MINERALISATION
Compliant with standard 1504-2

1. PRESENTATION

ETANCH EAU is a ready to use powder (grey or white) made of mineral salts, cement and inerts. Once mixed with water, the product takes the form of cement grout which, when applied on mineral substrates, penetrates deep depending on the porosity encountered and creates a barrier impermeable to water, permeable to vapour and resistant to both positive and negative pressure. Insoluble crystals form in the capillaries of concrete through chemical reaction with free lime.

2. ADVANTAGES

- Strong adhesion to the substrate thanks to its resin-rich formulation.
- Waterproof.
- Application without primer on sound and damp substrate (no run-off).
- Easy to use.
- Microporous product.
- Pressure and back-pressure resistance.
- Makes for a durable finish.
- Can be covered with a compatible decorative paint or coating.
- Allows the whitening of walls over time.

3. AREAS OF APPLICATION

Works immersed in building infrastructures subject to the influence of a water table, flood, run-off or infiltration water, such as:

- Parking lots.
- Tunnels.
- Lift pits.
- Swimming pools.
- Drinking water storage tanks.
- Footings.
- Retention basin.
- Protection of walls for the chemical or food industry.
- Foundation levelling courses.
- Damp-proof course against rising damp.

4. INSTRUCTIONS

Substrate preparation:

- Substrates must be sound, clean, free of dust, grease, oil.

Preparatory work:

- Remove Laitances using **DECAP CIM SF** or **DECAP BIO**.
Algae, moss, lichen using **NETT SUPPORT** or **MOUSSTOP 4 PLUS** or **15 PLUS**.
Traces of oil and grease using **NETT M**.
Old coats of loose paint using **DECAP ALL**.
Loose particles (scraping), dust (brushing).
Metal parts will be isolated using an anti-rust primer **PAINT M ROUILLE** or **PAINT M COVER**.
Traces of saltpetre using **DECAP CIM SF** or by brushing using a wire brush.
Non-absorbent surfaces such as high-dose cements, glazed surfaces or substrates made of very close graded concrete (e.g. use of power float, self-levelling coating, etc.) will have to be etched or deglossed through chemical action with **NETT SILICE**, mechanical means (blasting) or grinding.
- Roughen the surface of old enamelled paint.
- Rinse with water.

EURO DORTHZ PRODUCTION

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- In the case of chalking substrates, apply the substrate fixative **FIX'O** in solution.
- Treat stabilized cracks using our sealant **JOKER**.
- Roughen the surface of old enamelled paint.
- Fill holes using **POLYPLAST**.

Precautions:

These recommendations cannot replace the appropriate determination of the nature and condition of the substrates to be painted.

- Do not apply before 28 days on new concrete and mortar.
- Do not apply on frozen or thawing substrates, or those likely to freeze.
- Do not apply on hot substrates and in threatening weather.
- Do not apply on old epoxy paints.
- Beware of the dew point.

Repair of all cracks using **ETANCH FLASH** in case of permanent water ingress.

On damp substrates, apply a priming coat of **ACCRO RETARD** diluted at a rate of 1 L for 6 L of water.

In the case of suspicious substrates, sandblast the concrete and apply a coat of **ACCRO RETARD** diluted at a rate of 1 L for 6 L of water.

Preparation: In a mortar box or a small cement mixer, **pour the powder and gradually add between 7.3 and 7.7 L of water per bag**, depending on the desired consistency.

The mixing shall continue until a homogeneous mixture of uniform colour is obtained (at least 5 minutes). Never add water to the mixture.

Particular attention should be paid to the mixture.



As a finish:

Can be tinted using **DORTHZ COLOR**

(up to 3%, i.e. 750 g for 1 bag of **ETANCH EAU**)

Can be painted, coated, stained (**PAINT T VERTICOLASUR**).

In swimming pools for a marbled effect (compact from bottom to top using a wet float for waxed concrete).

To crystallise, apply a coat of **DORTHZ STOP** (prevents white efflorescences and allows for faster drying).

This finish can be coated over with **PAINT D POOL** after 8 days of drying.

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Application:

Application temperature	: Do not apply if $\leq 5^{\circ}\text{C}$ or if frost may occur within 24 hours
Application technique	: Manually with a float, brush or trowel, or mechanically by spraying with a suitable consistency
Number of coats	: 2 or 3 coats depending on the porosity of the substrate
Time interval between coats	: 4 to 5 hours depending on the drying time of the 1 st coat
Usage time of the mixture	: 60 minutes at 20°C
Cleaning of the equipment	: Water (do not allow to dry) : DECAP BIO (after drying)

5. CHARACTERISTICS

Appearance in container	: Grey or white powder
Density	: $1.4 \pm 0.05 \text{ g.cm}^{-3}$
Dosage	: 300 g of water for 1 kg of powder
Consumption	: On smooth finished concrete: 1.5 kg/m^2 per coat : On concrete block: 2.5 kg/m^2 for the 1 st coat 1.5 kg/m^2 per additional coat
Back-pressure resistance	: $> 24 \text{ MPa}$
Water vapour permeability	: Class I: $s_D < 5\text{m}$
Capillary absorption and water permeability	: $< 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Adhesion	: $> 2 \text{ N/mm}^2$
Shelf life	: 1 year in its unopened original packaging

(For more information, please refer to paragraph 9 of the safety data sheet).

6. SAFETY OF USE

- See the product's Safety Data Sheet at www.quickfds.fr.
- Store away from moisture.
- Not suitable for manure pits, sewage treatment plants and silos (specific product).

The details provided in this Data Sheet are given in good faith, for information purposes only. They shall not in any case constitute a guarantee on our part, or engage our responsibility when using our products. This Data Sheet supersedes all previous versions. Compagnie France Chimie reserves the right to make changes to its products and to this data sheet without prior notice. Our clients shall ensure, before any implementation, that these instructions have not been replaced by a more recent version that takes into account new technical data.

Product solely intended for professional use.

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