

Tradical® PF 70

Aerial lime binder pre-formulated for masonry and preparing Complies with the French Building Code (DTU 26.1 and 20.1)

Definitions and areas of use

Tradical® PF 70 is a binder pre-formulated with an aerial lime base (75%) combined with hydraulic (15%) and pozzolanic (10%) binders, and is mixed with aggregates (sand) and water to form a mortar suitable for laying natural stone, all types of rubble stone (except very soft stone), hollow or solid brick, briquettes, and traditional base coats, prepared coats, and sub-renders, in compliance with the French Building Code (DTU 20.1, sections 2.2, 4.2 and 4.3, and DTU 26.1).

Storage

Store in its original bag (22 kg) in a sheltered place. Tradical® PF 70 binder can be stored for 12 months.

Design of structures and application

Refer to the French Building Code in force for the type of structure.

- Masonry: DTU 20.1, sections 2.2, 4.2 and 4.3
- Render: DTU 26.1

Substrates

For renders, moisten the substrate the day before until the saturation point is reached. Re-moisten if required and leave to dry.

Do not apply to frozen, thawing, overheated or streaming substrates.

For modern cement-based substrates (breeze blocks, concrete, etc.), add a base coat according to the French Building Code (DTU 26.1, section 5.11)

Preparation

Mix the sand according to the proportions listed in the relevant technical guide, without adding any hydraulic binders. Then mix to form the desired consistency by adding clean water.

Mix for 3 to 5 minutes in a concrete mixer.

Application

Apply at a temperature of between +5 °C and +35 °C, away from sunlight, strong winds, and heavy rainfall.

Mechanical application or by pneumatic projection:

- Refer to the material manufacturer for the amount of sand to use.
- Apply in the same manner as a traditional mortar.

Mix proportions

The mix proportion of binder in relation to sand depends on:

- a) the type of structure rendered, and
- b) the sand used (particle size distribution, type, and moisture content)

As a rule, the measure of binder is:

- 200 to 350 kg per m³ of sand (moisture of less than 5%).
- or by volume: 1 part binder to 2 to 3.5 parts sand

Can be used as a thin mix or a pure paste

Miscellaneous

- Testing

Each production batch is lab-tested. A sample is stored and the corresponding reference is noted on each bag.

- Ten-year guarantee and/or guarantee of proper functioning

Within the scope of the company's civil liability insurance.

Manufacturer's civil liability, SMABTP contract: ALPHA-BAT Fabricants no. 512806 E.

Performance	
Coefficient of thermal conductivity λ	≤ 0.20
Density	$= 0.62 \pm 0.02$
Soluble silica (hydraulicity)	$\leq 10\%$
CO ₂ content	$\leq 8\%$
Additives (organic colloids and surfactants)	$\leq 0.5\%$
Water retention	$\geq 75\%$
Particle size distribution	≤ 90 mm
Pulling/bending	≥ 1.4 N/mm ²
Compression	≥ 4.3 N/mm ²