

# Tradical® PF 55

## Aerial lime binder pre-formulated for masonry and rough-rendering



### Definitions and areas of use

Tradical® PF 55 is a binder formulated with an aerial lime base (55%) and hydraulic and pozzolanic 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), concrete blocks, 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 (25 kg) in a sheltered place. Tradical® PF 55 binder can be stored for 6 months.

### → DESIGN OF STRUCTURES AND APPLICATION

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

- Masonry: DTU 20.1
- Render: DTU 26.1

### → SUBSTRATES

In the case of renders, substrates must be suitable as per the French Building Code.

### → 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)

Performance	
Coefficient of thermal conductivity $\lambda$	$\leq 0.35$
Density	$= 0.74 \pm 0.02$
Soluble silica (hydraulicity)	$\leq 15\%$
Additives (organic colloids and surfactants)	$\leq 0.2\%$
Water retention	$\geq 75\%$
Particle size distribution	$< 90 \mu\text{m}$
Pulling/bending	$\geq 2 \text{ N/mm}^2$
Compression	$\geq 5 \text{ N/mm}^2$

Tradical® PF 55 includes



#### Tradical® "Masonry and Rendering with lime"

- Tradical® PZ
- Tradical® Maçonner
- Tradical® Bâtir
- Tradical® PF 80
- Tradical® PF 80 M
- Tradical® PF 80 Teinté
- Tradical® Premium Naturel



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MASONRY	TRADITIONAL MATERIAL	
		
On solid brick and natural stone	10 l bucket 0/4 sand	
Hard	1 bag	5,5 to 7
Firm	1 bag	6 to 10

MASONRY	NEW MATERIAL	
		
On solid brick and natural stone	10 l bucket 0/4 sand	
Hard	1 bag	5,5 to 7
Firm	1 bag	5,5 to 7

Tradical® PF 55 Can be used as a thin mix or a pure paste









For further information visit our website  
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## → MIX PROPORTIONS

 <b>ROUGH RENDERING</b> on solid brick and natural stone	Traditionnal substrate Hard and Firm		 <b>ROUGH RENDERING</b> on solid brick and natural stone	New substrate Hard and Firm	
	 Tradical® PF 55	 10 l bucket 0/4 sand		 Tradical® PF 55	 10 l bucket 0/4 sand
<b>Base coat*</b>	1 bag	5,5 to 6	<b>Base coat*</b>	1 bag	5
<b>Brown coat</b>	1 bag	7 to 8	<b>Brown coat</b>	1 bag	5,5 to 7**

(\*) For mechanical apply, base coat is not necessary on a homogeneous base

(\*\*) For mechanical apply, the mix proportion on firm substrate is : 1 bag Tradical® PF 55 + 6 to 7 buckets of 0/4 sand

### IMPORTANT

- For plinths: Tradical® PF 55 + sand must not come into contact with the soil. Use Tradical® PZ + sand up to a height of at least 20 cm from the base of the plinth (see corresponding Tradical® documentation).
- When saltpetre is present: use Tradical® PZ as an undercoat for masonry as well as brown coats (see corresponding Tradical® documentation).

Please note that although Tradical® PZ is used to prepare mortars resistant to salts, nitrates, etc. present in capillary rises, the source of these rises also needs to be treated appropriately.

## → MISCELLANEOUS

- Testing

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

- Guarantee

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

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

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