

Decorative facing rendering of the sprayed marble aggregates type. Finish for ARMATERM thermal insulation systems.



PURPOSE

Decorative facing rendering implemented through spraying of natural marble aggregates in a fresh coat of bonding rendering. Three options available:

- ARMATERM MARBRE (spraying onto ARMATERM COLLE).
- ARMATERM MARBRE SC FX (spraying onto ARMENDUIT FX).
- ARMATERM MARBRE POUDRE (spraying onto ARMATERM COLLE POUDRE).

Main applications:

- Finish for ARMATERM thermal insulation systems. Refer to the ETA and/or technical file of the system used.
- Maintenance/renovation of ETICS, K4 class works in accordance with "ETICS professional rule". Refer to the specific technical file.
- Decorative façade rendering for collective or tertiary buildings, outside thermal insulation systems.

SURFACES

- Thermal insulator clad with appropriate reinforced undercoating (systems under ETA).
- Usual building surfaces suitably prepared.
- Approved construction boards for light buildings (wood and derived products, fibre cement, wood-cement composite, or polymer wood, etc.).

MAIN FEATURES

- Excellent protection of the surfaces (impacts, weathering).
- Protection of porous or ceramic surfaces against weathering.
- Good refractory life in the long term.
- Masking of surface blemishes.
- Excellent resistance to the development of micro-organisms.
- Product in aqueous phase: easy and safe use, environmentally friendly.

IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards.

Aspect	GRANULATS ARMATERM MARBRE Calibrated aggregates of natural marble for spraying onto a fresh coat of bonding rendering. Grain size: 1.25 mm. The aggregates are delivered dusted and washed (may still be moist in the bag).
	ADHESION COAT <ul style="list-style-type: none"> • ARMENDUIT: rendering paste, ready for use. • ARMATERM COLLE: rendering paste to mix with white cement. • ARMATERM COLLE POUDRE: rendering powder to mix with water. Refer to the Technical Data Sheet of the product for all identification details.
Flash Point	n/a.
Drying Time (20°C, 65% RH)	Dry: 24 hrs minimum. <i>Drying delayed by cold and damp weather.</i>
Consumption	<ul style="list-style-type: none"> • Aggregates: 3.5 to 4.0 kg/sqm • Bonding rendering: 3.0 to 3.5 kg/sqm
Classification	NF T36-005: Family II, Class 2b. XP T34-722: Class D3. EN 1062-1: E5 V2 W3 A0.
Colours	ARMATERM MARBRE colour chart.
Packaging	ARMENDUIT FX: 25 kg. ARMATERM COLLE: 25 kg. ARMATERM COLLE POUDRE: 30 kg. GRANULATS ARMATERM MARBRE: 50 kg.

USE

Refer to the ETA and/or the technical file of the system relating to the thermal insulation works. Surfaces, preparatory work and application conditions must comply with the applicable standards/DTU (French standards) for all other works.

Base Preparation

Bases must be sound, dry, cohesive and consistent with the product application.

- **THERMAL INSULATION SYSTEMS:** direct application of the product over the reinforced undercoating after a minimum of 24 hr drying time. The bonding rendering used and the reinforced undercoating are of the same nature.
- **CONCRETE AND HYDRAULIC RENDERINGS** (dep. on the condition of the bases):
 - Remove non adherent or greasy parts through scraping, brushing, sanding, washing.
 - Remove any paint or organic coating.
 - Sand the surface irregularities, smooth if necessary.
 - Removal of micro-organisms: FONGIMOUSSE PLUS.

Implementing the System

Process

The aggregates must be sprayed onto a fresh coat in one of the 3 bonding renderings:

- **ARMENDUIT FX:** rendering paste, ready for use.
- **ARMATERM COLLE:** rendering paste to mix with 5 % water, then with 15 to 20 % CPA CEM I 42,5 white cement. Stir for about 3 mins until obtaining a soft and homogeneous texture.
Usable life: ca. 30 mins by 20°C.
- **ARMATERM COLLE POUDRE:** rendering powder to mix with ca. 17 % water (5.1 l water per 30 kg bag). Mix for about 3 mins. Let it rest for about 5 mins Usable life: ca. 1 hr by 20°C.

Apply the bonding rendering with a stainless steel float, a 6 mm snootched trowel, or with a mixing pump fitted with a lance for slurry texture (6 to 7 mm nozzle). Make sure to apply a sufficiently thick and regular coat for a good adherence of the marble aggregates. Quick cleaning of the spraying material.

Proceed by saturation spraying of the aggregates in the fresh rendering with a hopper under pressure of the Sablon type. Pressure: 4 to 5 bars. Air compressor: minimum 50 m³/hr.

Equipment Cleaning

WATER, immediately after use.

Practical Advice

- **Application Conditions:**
 - Ambient and surface temperature above 5°C (caution if T > 35°C).
 - Dry weather, sheltered from strong winds and direct sunlight.
- **To avoid potential differences in shade and/or in aspect, due to the natural origin of the aggregates:**
 - Use exclusively dusted and washed aggregates.
 - Proceed continuously and per unit area.
 - Plan a division into panels for large surfaces (ca. 15 sqm).
 - Make sure that you have a single supply for a same site.

CONSERVATION

- **ARMATERM COLLE, ARMENDUIT FX:** 24 months, sheltered from frost and temperatures above 35°C.
- **ARMATERM COLLE POUDRE:** 12 months, away from humidity.
- **ARMATERM MARBRE aggregates:** store away from light.

HEALTH, SAFETY, AND ENVIRONMENT

Refer to

- The safety information label on the packaging.
- The Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: www.zolpan.fr

IMPORTANT NOTICE REGARDING THE ZOLPAN TECHNICAL SHEETS: The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.



Zolpan sas: 17 quai Joseph Gillet - 69316 Lyon cedex 04 - Tél: 04 72 10 70 60 - Fax: 04 72 10 70 73
www.zolpan.fr - SIREN: 972 503 387 - N° RCS: 972 503 387 RCS LYON - CAPITAL SOCIAL: 6 127 440 €