



TOSCANNA

PRODUCT INFORMATION SHEET

PAGE 1 OF 2

ALTAMIRA Mineral Paint is a premium decorative finish suitable for a wide range of architectural designs. The **Toscanna Wall Finish** is a decorative wall plaster that can be applied in a variety of faux marbled or distressed designs, with a natural polished finish.

It is a cementitious, polymer-modified powder mixture available in an array of pre-mixed colors. It can be applied on interior walls made of masonry finish, fiber cement board, and gypsum board.

ADVANTAGES

- Will not delaminate, peel, blister, or bubble
- Good adhesion to the substrate to be coated
- Ready-to-Use, simply add water
- Easy to Mix and Apply
- No concrete neutralizer needed
- This mineral coat will not deteriorate, but in fact, will improve with time.
- Capable of covering cracks on walls
- No chalking or powdering

DESCRIPTION

- Odorless and non toxic
- Contains no hazardous materials
- Breathable Surface
- Low water absorption
- Strong water resistant effect providing reduced risk of efflorescence, algae, fungus, bacterial growth and staining.
- Increased abrasion resistance (wet scrub resistance)
- Improved workability
- Improved water retention, thus minimizing cracking.
- Highly improved durability (reduced maintenance costs)
- Reduced labor: no pre-wetting of surface, better workability, etc.
- Non-Fading, Uniform Color
- Can be applied using trowel, spatula or roller

PRODUCT DATA

Package Size	5 kg bags
Color	(see Color Samples)
Type	powder form
Storage Life	6 months, dry condition

WORKING PROPERTIES

Water demand	0.42 li/kg
Coverage, 2 coats	1 kg per m ²
Drying Time	3 hours
Pot life	5 hours

PERFORMANCE PROPERTIES	Target	Results
Wet-Scrub Resistance	>5000 cycles	>5000 cycles
Tensile Adhesion Strength, 14d SC	>0.5 N/mm ²	0.62 N/mm ²
Tensile Adhesion Strength, 28d SC	>0.5 N/mm ²	0.64 N/mm ²
Tensile Adhesion Strength, 7d SC + 7d in Water	>0.5 N/mm ²	0.56 N/mm ²
Water Absorption Value, A, 24 hrs	<0.5 kg*m ² *h ^{0.5}	0.17 kg*m ² *h ^{0.5}
Water Vapor Permeability, Sd	≤ 1 m	0.03 m
Flexural Strength, 28d sc	-na-	2.25 N/mm ²
Compressive Strength, 28d sc	7-12 N/mm ²	5.34 N/mm ²

* Actual Field Performance will depend on installation methods and site conditions

** Results are based on in-house tests

NOTE:

To maintain correct procedures, Altamira Finishes are generally applied or trained by approved applicators.

SURFACE PREPARATION:

1. The concrete backing or substrate must be fully cured, structurally sound, clean and free from dirt, loose materials, oils and other chemicals.
2. For walls or substrates with high water absorption or installing in temperatures over 35C, dampen the concrete backing or substrate.

MIXING:

1. For mixing, use any non-absorbent mixing container such as plastic, steel or iron sheet.
2. In a pail of clean water (approximately 2.1 liters), pour 1 bag (5 kgs) of **Altamira Toscana** and mix to a lump free consistency. Different amounts of water used, will give different effects.
3. Mix manually or with a mechanical mixer. Best results are achieved with a mechanical mixer.
 - a. If manually, advisable to add the powder in portions during stirring, so that a homogenous and lump-free paste is created. Then, the remainder of the water is added to get the best working consistency for application.
 - b. If mechanical mixing, use a low speed for no more than 5 minutes. A slow speed, high torque hand drill with a mixing paddle is most appropriate.
4. Let the mortar stand for 10 minutes so that the chemicals will react completely with the cement and water.
5. Mix again briefly and **Altamira Toscana** is ready for use.

APPLICATION:

1. Spread the product evenly using a trowel, roller or spatula (depending on desired design) approximately 1-2mm.
2. Sand using #400 or #600 sandpaper when first coat is already dry. Wipe properly with clean dry cloth.
3. Apply second coat using trowel, roller or spatula (depending on desired design).
4. Sand again when dry (optional).
5. When second coat is starting to dry (cold to touch but does not stick to the hand), burnish using trowel to have a smooth semi-gloss finish.
6. Use the paste within 5 hours or while the paste is still workable. No need to add additional water.

CAUTION:

1. Note that mix proportions of the dry-mix paint and water must be kept constant and uniform for the whole object to be painted otherwise uneven coloring or shadowing will occur.
2. High speed mixing or overlong mixing can lower overall strength of the cement paint.
3. Do not apply on substrates which are not solid enough, like distempers, lime washers, oil paints and varnishes and substrates containing gypsum plaster.

DO'S AND DON'TS:

1. Use only clean plastic pail and other non-absorptive container as mixing base.
2. Use only clean tap water. Do not use saline water.
3. Do not mix newly prepared mortar with an old mix to extend potlife.
4. Do not mix various colors in the hope of attaining a different shade or color.
5. Do not use acid and other harsh chemicals.