

POLISHED PLASTER – FILLER

NATURAL STONE EFFECT

DECORATIVE PAINTS & COATINGS



Description

POLISHED PLASTER consists of natural minerals combined with special additives to control working characteristics in order to create a wide range of natural stone effects including Smooth, Pitted, Travertine, Accent and many others.

Recommended For

Interior or exterior application provided it is top coated with the appropriate protection (refer to systems table).

Key Features

- Natural mineral material
- Contains no VOCs
- Powder product unaffected by frost
- Wide range of finishes achievable
- Wide range of colors available
- Good workability in a wide range of site conditions good water vapor permeability
- Completely noncombustible as supplied or when applied

Physical Properties

Solvent Type	Waterborne	
Finish Type	Flat	
Spreading Rate	Approximately 1.8-2 Kg/m ²	Depending on surface porosity and application technique
Pot life	4-6 Hours	
Flash Point	Not Applicable	
Dry Film Thickness	1-3 mm	
Thinner	7.2-7.5L of water per 18Kg of powder	
Compressive strength	28 N/mm	
Mold resistance	10/10 (no growth)	ASTM D3274
Pencil hardness	>5H	ASTM D3363
Shore hardness	60	Shore D
Scrub resistance	>10,000 cycles	ASTM 2486
British fire test results	Class 0	BS476
American Fire test results	Class 1	ASTM E84 98
Impact resistance	Substrate failure 2"/4 pounds	ASTM D2794
VOC	Very low VOC content	Compliant with EU 2010 regulations maximum of 30 g/L.

Surface Preparation

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth, dusted clean and primed with a suitable Colortek® primer.

New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and maximum pH of 10; soft, porous or powdery plaster indicates improper cure. Knife off any protrusions and prime the plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

A flat or true substrate is vital to achieve high quality results as any bumps or imperfections may show up in the finished surface. Whilst polished plaster will bond adequately to MDF, great care should be taken when using it as a substrate as it will tend to crack along any joint.

CAUTION: Scraping or sanding surfaces of older buildings (especially pre-1978) may release dust containing lead or asbestos. **EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH.** Always wear appropriate personal protective equipment during surface preparation, and finish cleanup of any residues by water-washing all surfaces.

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COLORTEK®

Primer Systems

SURFACE TYPE	RECOMMENDED COLORTEK PRIMER
Drywall	Colortek Primer
Porous masonry	Colortek Sealer, Colortek Primer
Non porous masonry	Colortek Primer or Colortek Undercoat
Wood	Colortek Undercoat
Ferrous metal	Colortek Adhero
Non-ferrous metal	Colortek Adhero
Plaster and painted wall	Colortek Fondo F

Application Systems & Additives

Effect	Marble chips	Highlight	Int Protection	Ext Protection	Tools
Accent	Marble Chips	Metallo with Classic Color*	Oxibond 4005	Oxibond 4005	Inox trowel Deco Tool Ref. 786
Pitted	Marble Chips	None	Oxibond 4005	Oxibond 4005	Inox trowel Deco Tool Ref. 110/75
Pitted Metallo	Marble Chips	Metallo with Classic Color*	Oxibond 4005	Oxibond 4005	Inox trowel Deco Tool Ref. 110/75
Travertine	Marble Chips	None	Oxibond 4005	Oxibond 4005	Inox trowel Sponge Pad
Smooth	None	None	Cera Wax	Oxibond 4005	Inox trowel
Smooth Gold Rush	Gold Rush	None	Cera Wax	Oxibond 4005	Inox trowel

Application Conditions

Do not apply at temperatures below 5 °C or when rain is expected.

Application Method

▪ Mixing Instructions

1. Pour the content of the pigment pot into the 30 liters mixing drum. Fill the pigment container with water and flush out any left-over pigment
2. The total water requirement for an 18kg drum is 7.5 liters (note that the colorant must be mixed with the water).
3. Put the powder slowly in water and mix it with drill. Leave the mix around 10min before application.
4. Pour the plaster gently into the water/pigment mix gently mixing at first allowing the air to bubble out. If the finish is textured add the 6kg of marble chips. Then increase the mixing speed of the drill and mix to a thick creamy lump free consistency
5. Leave the material to stand for 5 -10 minutes and then mix once again before applying to the wall

Note: High pigment loading and excessive mixing can lead to entrapment of micro fine air bubbles in the material which will reduce its density and hardness and in extreme cases lead to blistering and delamination of the product.

When large quantities of pigment are being mixed with the material it is advisable to mix the plaster with plain water to a thick consistency before adding the pigment. This will significantly reduce the level of air entrapment.

▪ For smooth effect

1. Prime the surface with Fondo F.
2. 1st Coat: Spread Polished Plaster using Colortek inox towel to fill the surface until achieving a unified thin coat without any scratches.
3. 2nd Coat: Once the first coat is totally dry, apply a thinner second coat. Remove all excess material by pressing down the surface using the inox trowel (curved edges sides) in a 45-degree angle.
4. Repeat step 3 twice while moving the trowel in random directions during the curing phase.
5. Apply the final protective top coat.

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- **For Pitted effect**
 1. Prime the surface with Fondo F.
 2. 1st Coat: Spread Polished Plaster using Colortek inox trowel to fill the surface until achieving a unified thin coat without any scratches.
 3. 2nd Coat: Add Colortek Marble chips to the mix before applying the second coat and spread the material using the inox trowel. Immediately after, roll over the surface using Colortek's texture tool Ref. 110/75.
 4. Once the surface is approximately 50 to 60% dry, press down the surface in random directions using the curved edge inox trowel in a 45-degree angle to achieve the pitted effect.
 5. Once the surface is totally dry, apply the adequate protective top coat.
- **For Pitted Metallo Effect**
 1. Repeat step 1 to 4 from the Pitted Effect methodology. Then apply 1 coat of Colortek Oxibond® 4005
 2. Once dry, apply 1 coat of Metallo using the Colortek sponge.
 3. If working on very large sections, use Colortek Classic Color to extend the open time of Metallo.
 4. Once the surface is totally dry, apply the adequate protective top coat.
- **For Travertine Effect**
 1. Prime the surface with Fondo F.
 2. 1st Coat: Spread Polished Plaster using Colortek inox trowel to fill the surface until achieving a unified thin coat without any scratches.
 3. 2nd Coat: Add Colortek Marble chips to the mix before applying the second coat and spread the material using the inox trowel while dragging on the surface using the sponge pad in one direction maintaining it at a 45-degree angle. Apply different strokes length to avoid a repetitive pattern.
 4. Once the surface up to 50 to 60 % dry, drag the surface using the inox trowel with 80-degree angle.
 5. Wait for the surface to be 80% dry then press down the surface in the same direction of both 2 previous steps.
 6. Once the surface is totally dry, apply the adequate protective top coat.
- **For Accent**
 1. Prime the surface with Fondo F.
 2. 1st Coat: Spread Polished Plaster using Colortek inox trowel to fill the surface until achieving a unified thin coat without any scratches.
 3. 2nd Coat: Apply polished plaster at 2 mm thickness then directly after use the Colortek® Deco Tool Ref. 786
 4. Once the surface is 80 to 90 % dry press down the surface in a crisscross motion with the inox trowel until achieving a smooth surface
 5. Once the surface has fully dried, sand it with a 150 & 220 grid paper. Then apply 1 coat of Colortek Oxibond® 4005.
 6. Once dry, apply 1 coat of Metallo using the Colortek sponge.
 7. If working on very large sections, use Colortek Classic Color to extend the open time of Metallo.
 8. Once the surface is totally dry, apply the adequate protective top coat.

Pack Size

- Polished Plaster – US drum 18KG

Shelf Life

24 months from the date of production.

Storage and Handling

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

Safety

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

Cleaning

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

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Technical Assistance

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

Disclaimer

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2008, Certificate CH12/1128.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted on the basis of the information supplied herein.