



ARDEX PANDOMO® W1

Decorative Finishing Compound for ARDEX PANDOMO Wall Surfaces (White)

**Use to create ARDEX PANDOMO® Wall surfaces on
interior walls and ceilings**

Excellent adhesion to a wide variety of surfaces

Fast-setting and self-drying

Excellent non-sag properties

**White color allows a wide range of colors when pigmented
with ARDEX PANDOMO® CC Color Concentrates**

High-yield

Portland cement-based

For commercial, retail and residential applications

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ARDEX PANDOMO® W1

Decorative Finishing Compound for ARDEX PANDOMO Wall

Description and Usage

ARDEX PANDOMO® W1 is a self-drying, trowel applied finishing compound for walls and ceilings. Formulated with a blend of Portland and other hydraulic cements and special re-dispersable powdered polymers, ARDEX PANDOMO W1 exhibits excellent non-sag properties and hardens quickly. ARDEX PANDOMO W1 has excellent adhesion over a wide variety of porous surfaces, including concrete, gypsum plaster, drywall and all types of masonry surfaces. Use ARDEX PANDOMO W1 for producing high-end, creative ARDEX PANDOMO Wall surfaces in areas such as retail stores, shops, hotels, cafés and vestibules, as well as for residential applications.

Substrate Preparation

All substrates must be sound, solid and free of dust, dirt and any other contaminant that might act as a bond breaker. Existing walls should be constructed in accordance with applicable building codes, and all wall boards must be securely attached. All loose or otherwise weak materials must be mechanically removed. Do not use chemicals to prepare the substrate. Substrates must be dry, and substrate and ambient temperatures must be a minimum of 50°F (10°C). For further information, please refer to the ARDEX Substrate Preparation Brochure.

Recommended Tools

Mixing and Application: Gram scale, mixing bucket, measuring bucket (85 oz./2.5 L per 11 lb/5 kg. bag), ARDEX T-2 Ring Mixing Paddle, a 1/2" (12 mm) heavy-duty drill (min. 650 rpm), a steel trowel, and an 18" to 24" (45 to 60 cm) drywall/plaster knife.

Surface Processing: Festool ROTEX RO 150 FEQ-Plus Hand Sander with vacuum, sanding and burnishing discs, and a lamb's wool applicator.

Thickness of Application

ARDEX PANDOMO W1 is installed in two coats, with a minimum recommended thickness of 1/16" (2 mm) for each coat. For pre-patching, such as surface imperfections, screw heads, or joints in drywall or masonry, ARDEX PANDOMO W1 can be applied up to 1/2" (12 mm) thick. The overall application thickness, including the finish coats, should not exceed 3/4" (18 mm). The final thickness applied will vary with the texture of the substrate and the finishing technique used.

For pre-smoothing areas that require thicknesses greater than 1/2" (12 mm), contact the ARDEX Technical Service Department.

Mixing and Application

For the application and drying of ARDEX PANDOMO W1, the space and products must be acclimated to 50° to 77°F (10° to 25°C), and an ambient relative humidity of 40 to 60%.

For best results, pre-blend the total anticipated quantity of water with the prescribed amount of ARDEX PANDOMO® CC Color Concentrates to minimize color variation between batches. Mix each 11 lb. (5 kg) bag with 85 oz. (2.5 liters) of water. Pour the pigmented water in the mixing bucket first, and then add the ARDEX PANDOMO W1 while mixing with an ARDEX T-2 Paddle and a 1/2" (12 mm) heavy-duty drill. Mix thoroughly for approximately 2 to 3 minutes to obtain a lump-free mix, and then allow the product to stand for 1 to 3 minutes. Remix before applying to ensure a creamy consistency. **Do not overwater!**

Pre-smooth the wall surface as necessary. When ARDEX PANDOMO W1 is used for pre-smoothing, allow it to dry a minimum of 60 minutes before priming all surfaces with ARDEX P 51™ PRIMER diluted 1:3 with water. Apply with a roller or paint brush, and allow the primer to dry 1 to 3 hours.

ARDEX PANDOMO W1 has a working time of 30 minutes at 70°F (21°C). The application method of the two coat system will depend on the desired finish:

For a smooth finish, install the first coat using a steel trowel and allow it to dry for 60 minutes before installing the second coat. After allowing the second coat to dry for 30 to 60 minutes, lightly dampen the surface using a sponge or spray mist, and then smooth it using an 18" to 24" (45 to 60 cm) drywall/plaster knife. Allow the second coat to cure a minimum of 5 hours more, and then sand the surface using the Festool hand sander with 120-grit sandpaper. Follow by buffing with burnishing pad to remove any residual dust.

For a textured finish, apply the first coat using the desired texturing technique and allow it to cure for 60 minutes. Please note that this coat must be applied at a thickness sufficient for the texturing technique being used. The second coat is then applied and allowed to dry a minimum of 5 hours more, followed by sanding with the Festool hand sander with 120-grit sandpaper and buffing with burnishing pad to remove any residual dust. If desired, the second coat can be applied using a different color to achieve a three-dimensional appearance.

Both smooth and textured surfaces must be sealed with ARDEX PANDOMO® SL STONE OIL applied in accordance with the instructions provided in the Technical Brochure and using a lamb's wool applicator. Please note that the installation of ARDEX PANDOMO SL will darken the surface permanently and will shift the color slightly towards an amber hue. ARDEX PANDOMO SL produces a very "warm" looking surface that requires light periodic maintenance.

all Surfaces (White)

Tips for a Successful Installation

- Continue to mix the pigmented water to keep the color concentrate from settling out.
- The ARDEX PANDOMO W1 surface cannot be too hard, but it can be too soft. If it still feels cold or damp, wait a little longer before processing.
- Start the Festool sander with the discs in the air rather than on the wall, and begin forward motion as the discs come in contact with the surface.
- Placing the sanding heads can sometimes cause an aggressive initial cut, so always try to start sanding in an unobtrusive place (behind a door, in a corner, etc.).
- Keep the sanding machine moving. Pausing can cause variations in the finished appearance.
- Not all sandpaper is created equal, so exercise caution and always break in the sanding discs before applying them to the ARDEX PANDOMO W1 surface.
- Sanding discs will last for approximately 215 to 270 square feet (20 to 25 m²), so be sure to change them as needed when sanding the surface.
- The ARDEX PANDOMO W1 installation must be completed in a continuous fashion, including application of the sealer. If any part of the process is interrupted by other trades, it is likely to cause aesthetic variance and potentially irreparable damage.
- Do not drip or spill any liquids onto the ARDEX PANDOMO W1 surface throughout the entire installation process.

Maintenance

Once sealed, any finished surface requires routine cleaning and maintenance. For recommended maintenance procedures, please refer to the ARDEX PANDOMO Maintenance Guide. Cleaning an ARDEX PANDOMO Wall surface is very easy, but must be performed in strict accordance with the printed cleaning guidelines. It is strongly recommended that a maintenance program be instituted to best preserve the value of the installation.

Notes

This product is intended for interior use. Do not use in wet areas such as showers, as this may jeopardize the performance of the finish and sealer. Backsplashes in kitchens and bathrooms are acceptable as long as the product is not exposed to constant water.

ARDEX PANDOMO Wall surfaces are not intended to be perfectly homogeneous in appearance. The physical act of spreading and smoothing, along with the sanding process, will result in optical variations in the appearance even though it is very flat. The aesthetic appearance created is subject to possible technical and artistic tolerances. Variations in the overall finished appearance are an

intended effect and should be expected.

The details in the color table are for guidance purposes, and the final appearance can vary depending on the substrate, thickness of installation and ambient conditions. Always install an adequate number of properly located test areas, including the tooling method and ARDEX PANDOMO SL. A sample mock-up must be made on site and approved by the owner's representative, including the suitability for intended use and aesthetics, and should be evaluated and approved under the planned lighting conditions. Acceptance must be made immediately after completion, and it remains the responsibility of the owner's representative to protect the finished surface as necessary if other trades will be working in the area after installation.

ARDEX PANDOMO W1 does not achieve its published surface hardness until after 28 days.

Low substrate temperatures require longer drying times for ARDEX products. Do not install ARDEX PANDOMO W1 before the primer has dried thoroughly. Low temperatures will also extend the drying time needed before sanding the surface.

Never mix with cement or additives other than ARDEX approved products. Observe the basic rules of concrete work. Acclimate the space and materials in accordance with the guidelines outlined above.

Precautions

ARDEX PANDOMO W1 contains Portland cement and fillers. Avoid eye and skin contact. Mix in a well-ventilated area, and avoid breathing powder or dust. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label. For complete safety information, please refer to the Material Safety Data Sheet available at www.ardexamericas.com.

Technical Data According To ARDEX Quality Standards

All data based on a mixing ratio of 2 parts powder to 1 part water by volume at 70°F (21°C)

Mixing Ratio:	85 oz. (2.5 liters) of water per 11 lb. (5 kg) bag
Coverage:	25 to 35 sq. ft. per bag at 1/8" (2.3 to 3.25 m ² at 3 mm) Coverage will vary based on substrate texture and finishing method.
Working Time:	Approx. 30 minutes
Compressive Strength (ASTM C109/mod – Air cure only):	650 psi at 1 day 1150 psi at 7 days 1900 psi at 28 days
Flexural Strength (ASTM C348):	200 psi at 1 day 450 psi at 7 days 725 psi at 28 days
Time to additional coat:	1 hour
Begin Sanding and sealing:	5 hours
Color:	White
Packaging:	11 lb./5 kg net weight bags
Storage:	Store in a cool dry area. Do not leave bags exposed to sun.
Shelf Life:	6 months
Warranty:	ARDEX Engineered Cements Standard Limited Warranty applies.

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