



ARDEX OVP™

Finishing Compound for Overhead and Vertical Concrete Walls

**Use for filling and smoothing interior and exterior
overhead and vertical concrete or masonry
surfaces prior to sealing or painting**

Portland cement-based

Deep fill and skimcoat

High yield

Easy to mix and apply

Long pot life for large jobs

Non-shrinking

Sandable

ARDEX ENGINEERED CEMENTS
400 Ardex Park Drive
Aliquippa, PA 15001 USA
Tel: 724-203-5000
Toll Free: 888-512-7339
Fax: 724-203-5001
www.ardex.com

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Finishing Compound for Overhead & Vertical Concrete Walls

Description and Usage

ARDEX OVP™ is a trowelable Portland cement-based finishing compound used to fill and smooth interior and exterior overhead and vertical concrete surface defects such as spalls, gouges, cracks, dents, chips, bug holes, honeycombs – any type, size or shape of surface defect that needs to be filled and smoothed before coating. For use on pre-cast concrete, poured-in-place concrete panels, tilt-up walls, or any other vertical or overhead concrete or masonry surfaces prior to sealing or painting.

Mixed with water only, ARDEX OVP has a creamy, smooth consistency for easy application. Tougher and more durable than traditional latex patches, ARDEX OVP dries without shrinking, cracking or spalling. Utilizing self-drying technology, ARDEX OVP dries internally, permitting the finish coat of paint or sealer to be applied as soon as the surface is hard.

Substrate Preparation

All concrete surfaces must be structurally sound, solid and free of any contaminant that might act as a bond breaker, including the removal of form release, existing sealers or paints, patching compounds, weak or loose areas, dust, dirt or oils. If necessary, mechanically clean the surface down to sound, solid concrete by sand blasting or grinding. Over-watered, frozen or otherwise weak concrete surfaces must also be cleaned down to sound, solid concrete by mechanical methods. Acid etching, adhesive removers, solvents and sweeping compounds are not acceptable means of cleaning the substrate. The use of sanding equipment is not an effective method to remove form releases or curing and sealing compounds. Surfaces must be dry for a successful installation. Surface and air temperatures must be a minimum of 50°F (10°C) for the installation of ARDEX products. For further information, please refer to the ARDEX Substrate Preparation Brochure.

Recommended Tools

Mixing bucket, margin trowel, steel trowel, rubber float, sponge, mechanical mixing paddle, and a 1/2" heavy-duty drill (min. 650 rpm).

Mixing and Application

Mix each 20 lb bag of ARDEX OVP with 5 quarts of clean water. Do not overwater! The use of additional water will weaken ARDEX OVP and lower its durability. Put the water in the mixing container first, and then add the ARDEX OVP. For best results, mix with a mechanical mixing paddle and 1/2" heavy-duty drill. Using mechanical mixing will produce a creamier, smoother consistency without the need for additional water. To mix smaller quantities by hand, use 2 parts by volume of powder to 1 part of water. Use a margin trowel and mix vigorously for 2-3 minutes. Mix thoroughly to obtain a lump-free consistency.

The pot life of ARDEX OVP is approximately 90 minutes at 70°F (21°C). If the product begins to set in the bucket, remixing will bring it back to a usable consistency. Do not add more water. After mixing, apply the product to the prepared surface with a steel trowel. Apply sufficient pressure to fill in all surface defects. Where necessary, minor touch-up work can be accomplished using a rubber float or slightly dampened sponge once the surface has started to harden. Once the material has fully hardened, the surface can be smoothed with fine sandpaper or re-skimmed.

Thickness of Installation

ARDEX OVP contains no sand or gritty fillers and can be placed to a true featheredge for perfectly smooth transitions. Use ARDEX OVP in small areas to fill in gouges, dents or holes of any depth. Please note that thicker areas will take longer to harden.

Sealing and Painting

ARDEX OVP requires no special curing or drying procedures. Due to its unique formulation, the application of a latex paint or water-borne sealer can begin as soon as the surface has hardened – it does not need to be completely dry. Drying times and the hardening of the surface will vary with jobsite conditions, substrate conditions and the thickness of installation. Thinner applications will require less drying time, while thicker applications, as well as those at cooler temperatures, may take 2 hours or more. For applications requiring a faster drying time, use ARDEX TWP.

Notes

The pot life of ARDEX OVP is approximately 90 minutes at 70°F (21°C). Pot life will vary with ambient temperatures. When sealing, as the porosity of cementitious surfaces varies, the use of a primer coat as recommended by the paint or sealer manufacturer over the entire area (including areas with and without ARDEX OVP) before applying the finish coat of paint will provide a more uniform appearance. Consult the manufacturer of the sealer for their recommendations as to what type of primer should be used. As with any cementitious material, variations in color can occur as a function of jobsite conditions. If a monolithic color appearance is required, an opaque sealer or paint is recommended. ARDEX OVP is intended for interior or exterior overhead or vertical applications that will receive a suitable coating of paint or sealer. Do not use for applications that will be left directly exposed to the weather. Do not install if rain or freezing temperatures are expected within 24 hours. Do not use in areas that will be subjected to standing water or permanent moisture, such as retaining walls. To preserve its freshness, the ARDEX OVP powder must be protected from air while not in use. Protect unused material by removing the air from the bag and sealing tightly. Open and reseal as necessary.

Precautions

Never mix with cement or additives other than Ardex approved products. Observe the basic rules of concrete work. Do not install below 50°F (10°C) surface and air temperatures. Install quickly if substrate is warm, and follow hot weather instructions available from the ARDEX Technical Service Department.

Technical Data According To Ardex Quality Standards

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

Mixing Ratio: 5 quarts of water per one 20 lb bag. For smaller batches, use 2 parts powder to 1 part water by volume

Material Requirements on Smooth Substrate (approx.):

133 sq. ft. per bag at 1/16"
66.6 sq. ft. per bag at 1/8"
33.3 sq. ft. per bag at 1/4"
When skimming over smooth concrete, coverage is approximately 300 sq. ft. per bag

Working Time: 30 minutes

Pot Life: 90 minutes

Time to Paint or Seal: 2 to 3 hours depending on jobsite conditions

Storage: Store in a cool dry area. Do not expose bags to sun. Protect unused material by removing air from bag and sealing tightly.

Shelf Life: Six months

Warranty: Ardex Engineered Cements Standard Limited Warranty applies.

Limited Warranty

Ardex, L.P. warrants that if this product proves to have manufacturing defects and ARDEX is notified of such within six months from the date ARDEX shipped the product, ARDEX will replace the defective product f.o.b. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. ARDEX does not authorize anyone, including ARDEX Representatives, to make any statements which supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the Ardex Technical Service Department. Any installations proceeding without this confirmation, or misinstallations of the product, will void this warranty. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, AND IS STRICTLY LIMITED TO ITS TERMS. ARDEX MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY OF ITS PRODUCTS FOR ANY PARTICULAR PURPOSE. All product demonstrations are placed for illustrative purposes only and do not constitute a warranty of any kind. ARDEX SELLS ITS PRODUCTS UPON THE CONDITION THAT CUSTOMERS SHALL CONDUCT THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF THE PRODUCTS FOR THE CUSTOMERS' INTENDED PURPOSES. UNDER NO CIRCUMSTANCES WILL ARDEX BE LIABLE FOR ECONOMIC, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES OF ANY KIND WHATSOEVER ARISING OUT OF OR OCCASIONED BY THE SELECTION, USE, INSTALLATION, OR REPLACEMENT OF THESE PRODUCTS.

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