

PRODUCT DESCRIPTION

Architectural Chemicals Optimus is a water-based surface retarder engineered to create architecturally refined sand finishes and exposed aggregate concrete. Optimus prevents hardening of cementitious paste to a predetermined depth, ranging from a light sand finish to full aggregate exposure. Optimus is ideal for use on concrete flatwork and other visible concrete surfaces.

FEATURES

- Consistent exposure & reveal
- 9 standard exposure depths
- Colored for visual coverage control
- Creates a slip-resistant surface
- Performs in hot & cold conditions
- Solvent-free; VOC compliant

COVERAGE RATES AND PACKAGING

- Available in 5 gal (18.92L), 55 gal (208.17L), and 270 gal (1022L) containers
- Approx. 200 ft² (18.58 to 27.87 m²) per gal

STORAGE & SHELF LIFE

Store in a dry place out of direct sunlight. Keep containers tightly sealed and between 50°F (10°C) and 90°F (32°C). DO NOT allow product to freeze.

Shelf life is approximately 24 months

USE & APPLICATION

PRECAUTIONS: Mockups and test applications are recommended to assure the desired performance and appearance are achieved. Optimus will only slow hydration at the surface from the time of application forward. Optimus cannot reverse hydration that occurred before application. Protect surrounding areas from overspray before applying Optimus.

MIX-DESIGN: The information provided in this document is based on a standard 6 sack (564 lbs/yd³) or (355 kg/m³). Aggregate to sand ratio in the concrete mix design will determine the overall exposure appearance equally to the specific depth of Optimus. Sand finishes will require more sand in the mix, whereas larger exposed aggregate finishes require less sand and more aggregate. Work with your local ready-mix producer to qualify the required concrete mix design. Concrete admixtures that affect set times could alter the performance of Optimus and should be included in job-site samples to assess overall workability and performance.

APPLICATION: Apply Optimus immediately after the final finishing pass. It should be applied when the air temperature is between 50°F (10°C) and 90°F (32°C). Mix thoroughly in the original container, pour through a paint strainer into a Swissmex Acid sprayer or HVLP sprayer. Apply evenly over the entire surface at the specified coverage rate. Make sure to achieve 100% coverage.

REMOVAL: Optimus can be removed when the underlying concrete has

sufficiently hardened, normally ranging from 5 to 12 hours after initial placement. Note: When using Optimus in warmer temperatures it is recommended to remove the material on the same day. In cooler temperatures the surface may be washed the following day, but no longer than 24 hours. Timing and removal should be determined with the project testing and job-site samples. Use running water with a push broom, high pressure washing, or a rotary buffer with bristle attachment and water. When washing the surface to expose aggregate, it is important to dispose of the slurry in accordance with EPA and individual state environmental regulations. In some situations when removal does not reveal even aggregate exposure, the use of Brickform Micro Finish Gel can help. Be sure to read the TIS at www.brickform.com prior to use.

CURING: DO NOT APPLY CURING AGENTS over Optimus. Concrete slabs treated with Optimus do not need to be covered with plastic or wet burlap to aid curing. The covering of Optimus is only recommended when heavy rain is expected. Be sure to apply plastic only after the Optimus application has dried. Apply 1-3mil plastic to cover the slab. Remove immediately after the threat of heavy rain is gone. Allow Optimus to become tack free before covering. The unique characteristics of Optimus create a polymeric film that acts as a water retention barrier until washed off and a cure/seal is applied. Brickform Cure & Seals or Sealers can be applied once the surface removal is complete and in accordance with the chosen product guidelines and surface preparation.



COMPLEMENTARY PRODUCTS

The following Solomon Colors products may be used with Optimus

- E-Etch—Cleaning and etching agent. Efflorescence removal
- Micro Finish Gel
- Neutra Clean—Cleaning and neutralizing agent.
- Brickform Cure & Seals—early protection and curing aid.
- Brickform Sealers—long term protection and visual enhancement
- DAY1 Finishing Aid

RECOMMENDED TOOLS & CLEAN UP

- HVLP or Pump-Up Sprayer
- Swissmex Acid Sprayers

SAFETY AND PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. Avoid contact with eyes and skin. When working with or near this product, all personnel must wear MSHA-NIOSH approved respirators (refer to OSHA standards in 29 CFR 1910.134). Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung

Cancer. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Avoid contact with skin and eyes. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. Use good hygiene when handling this product and wash and bathe after each use. Close containers after each use. Be sure to wash clothing after each use.

WARRANTY

This product is intended for use by licensed contractors and installers, experienced and trained in the use of these types of products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing product proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

For more information go to:

brickform.com



Grade Selection & Color	Finish Type	Exposure	Aggregate Size
(01) Super Lite Tan	Micro Finish	Light Acid Wash	Sand
(03) Xtra-Lite White	Micro Finish	Medium Acid Wash	Sand
(05) Sand Teal Blue	Micro Finish	Sand Finish	Sand
(15) Lt. Sandblase Green	Micro Finish	Lite Sandblast	1/8" - 1/4"
(25) Medium Orange	Sandblast Finish	Medium Sandblast	1/4" - 3/8"
(50) Deep Blue	Sandblast Finish	Deep Sandblast	3/8"
(75) Deep Yellow	Sandblast Finish		3/8" Graded
(125) Med Agg. Lt. Green	Exposed Finish		1/2"
(250) XL Agg. Gray	Exposed Finish		3/4" +