

TECHNICAL DATA SHEET

DESCRIPTION

Architectural Finish™ is a single component, cement based, polymer-modified material specially formulated for rubbing, smoothing, repairing and restoring vertical or overhead concrete surfaces.

USE

Architectural Finish™ is a trowel applied mortar designed to eliminate small concrete surface blemishes, rough areas, bug holes, form marks on poured walls, tilt-up and precast. The material dries a light gray color and can be sanded to provide a smooth finish. The Architectural Finish™ develops a high strength that is compatible with concrete and is not sensitive to water after curing. Applications are on vertical or overhead surfaces interior or exterior and above or below grade.

FEATURES

- Fine silica aggregate provides smooth surface
- Easy To Use; Just Mix With Water
- Color Blended To dry Light Gray
- 30 Minutes Working Time
- Interior or exterior applications
- Can be left exposed, not sensitive to moisture.
- Self-Curing in 70° F (21° C), 50% Relative Humidity

PROPERTIES

TEST DATA @ 75° F (23.9°C)

Compressive Strength ASTM C-109

7 days 4000 psi (27.5 MPa)

28 days 5000 psi (34.4 MPa)

Note: The data shown is typical for controlled laboratory conditions. Reasonable variation from these results can be expected due to interlaboratory precision and bias. When testing the field mixed material, other factors such as variations in mixing, water content, temperature and curing conditions should be considered.

ESTIMATING GUIDE

40 lbs. (18.1 kg) will cover 40 sq. ft. (3.7 sq m) at approximately 1/8 in. (0.32 cm) thickness.

PACKAGING

ITEM #	PACKAGE	SIZE	
		lbs	kg
308236	Bag	40	18.14
308237	Pail	40	18.14

STORAGE

Shelf life of unopened bags, when stored in a dry facility, is 12 months. Excessive temperature differential and /or high humidity can shorten the shelf life expectancy. Store in a cool, dry area free of direct sunlight.

APPLICATION

Surface Preparation: The substrate must be sound and free of all foreign material including curing compounds, bond breakers, oil, grease, paint, etc. Surfaces should have a slight profile to ensure good adhesion. All surfaces to be repaired should be in a saturated surface- dry (SSD) condition with no standing water on the surface.

Mixing: If less than a full container is used, the material should be mixed dry to insure all ingredients are evenly dispersed. Mix by hand or with a slow speed drill in a clean container. Mix only what can be placed in 30 minutes. Add Architectural Finish™ to water and slowly mix until a putty-like consistency is reached. Do not mix more than 3 minutes. Do not over mix or retemper.

Water Requirements: Mixing Ratio: 40 lbs. (18.1 kg) of Architectural Finish™ will require: 1.05 - 1.25 gallons (3.97-4.73 L) or approximately 24% By Weight

Placement: When placing by trowel, or sponge float force the material into cracks, voids bug holes and honeycomb areas to eliminate any voids. Architectural Finish™ retains its moisture prior to curing and will spread easily. Do not exceed 1/8 in. (0.32 cm) thickness per lift. Not for use as a parge coating or stucco type application.

Deep Placement: For deep applications apply in 1/8 in. (0.32 cm) lifts and allow five to six hours between applications, or use Dayton Perma Patch™ V/O that will meet most deep patching needs with one application.

Application in detrimental or extreme weather conditions should be avoided including high heat, strong wind or freezing conditions.

Finishing: Architectural Finish™ may be smooth troweled or sponge floated prior to material setting hard or may be sanded after it hardens.

Curing: Protect from rain or excess water for twenty-four hours. In extreme hot and windy conditions moist curing may be required.

CLEAN UP

Use water prior to material setting hard. Hardened material requires abrasive removal methods.

LIMITATIONS

FOR PROFESSIONAL USE ONLY

Do not place at temperatures below 40°F (5°C) or if the temperature is expected to drop below 40°F (5°C) in the next 24 hours.

In hot weather follow ACI Committee 305 recommended procedures.

Do not exceed 1/8 in. (0.32 cm) in thickness per lift.

Not for use as a parge coating or stucco type application.

Protect from rain or excess water for twenty-four hours. Water run down on surfaces may cause color streaking.

PRECAUTIONS

READ MSDS PRIOR TO USING PRODUCT

- Product contains Crystalline Silica and Portland Cement, Avoid breathing dust – Silica may cause serious lung problems
- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (Goggles, Safety Glasses and/or Face Shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirement

MANUFACTURER

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WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.