



Description

ArmourFill is a durable, lightweight, acrylic, water-based, non-sanded, high-build, tintable primer and surfacer. ArmourFill may also function as an abuse resistant finish.

Uses

- Use ArmourFill as a tintable leveler and primer in one fast airless spray application.
- As a spray applied Level 5 surfacer or interior smooth finish coat over: drywall, plaster, or properly prepared masonry or concrete.
- As an orange peel or knockdown texture and/or basecoat for ArmourTone finishes.

Packaging

5 Gallon (60 lb.) pail
1 Gallon pail

Colors

Standard colors available
Custom colors available upon request.

Coverage

450-500 sq. ft. per 5 gallon pail at 16 wet mils when used as a Level 5 surfacer.

Shelf Life

Minimum of one year when stored in a cool dry location out of direct sunlight and kept from freezing.

Project Conditions

Substrate must be clean, dry, sound and free of contaminants such as dust, oil, mildew and efflorescence. Ambient conditions, substrate and the product itself must be at a minimum of 45 °F during application and for at least 48 hours following.

Mixing

Thoroughly mix with a paddle mixer to a

homogeneous consistency at low rpm. In a 5 gallon container, up to 16 ounces of clean, potable water may be added to adjust viscosity. Close container when not in use. Strain through a standard paint-type strainer before use.

Substrate Preparation

New Drywall:

Treat all joints, fasteners and accessories with ArmourJoint or industry standard joint treatment system for attaining a Level 4 finish as outlined in Gypsum Association Publication GA-214, "Recommended Levels of Gypsum Board Finish".

Masonry and Textured Surfaces:

Concrete and plaster surfaces should be thoroughly cured before application. Poured concrete surfaces should cure for at least 28 days before finishing. Cement and gypsum plaster basecoats should cure for at least 7 days before finishing. Remove all form release agents and efflorescence and grind down form lines or other irregularities which protrude from the plane of the substrate. Pre-fill any existing texture or depressions in the plane of the substrate using ArmourJoint, ArmourTone Level Coat or an approved leveler.

Application

Spray Application, Level 5 Surfacer:

- Apply with professional grade airless spray equipment that meets or exceeds the following requirements: 1.5 gpm at 2800 psi through a 0.025" spray tip and a 50 ft. 1/4" i.d. hose.
- Perform a test application to adjust sprayer settings.
- Keep the gun 24" to 36" away from the wall surface. Move the gun parallel to the surface at a steady rate.
- Overlap each stroke approximately 50% to produce an even finish. Apply in a two-coat crosshatch application.

- Spray first coat vertically up and down at 10 wet mils followed immediately by a second coat sprayed horizontally from left to right at 6 wet mils.
- When coating corners, aim the gun toward the center of the corner to ensure both sides are sprayed evenly.
- Apply at a minimum thickness of 16 wet mils to ensure proper material flow and leveling allow to dry.

Smooth Finish:

Apply first coat as above at 10 wet mils and allow to dry. Apply second coat as above at 6 wet mils.

Textured:

First coat same as above at 8 wet mils. Apply orange peel or knockdown with conventional drywall spray equipment.

Note: Consult manufacturer for expanded application instructions including pressure settings and specific equipment recommendations.

Technical Data

- VOC content: <20 grams per liter
- Surface Burning Characteristics ASTM E 84: Class A
Flame Spread Index: 20
- Smoke Developed Index: 5
- Mildew and Mold Resistance - ASTM D 3273: 10 – No growth
- Water Vapor Transmission - ASTM D 1653: 23.9 perms
- ASTM C 1629 on abuse resistant board:
 - ◆ Surface Abrasion Resistance- ASTM D 4997: Class 3 on traditional or abuse resistant wallboard
 - ◆ Indentation Resistance- ASTM D 5420 Class 2
 - ◆ Soft Body Impact- ASTM E 695 Class 3

(continued)

Drying Time

ArmourFill will dry to the touch within 3-4 hours over most substrates and ambient conditions. Avoid heavy traffic or cleaning for 48 hours after application. Protect from rain for a minimum of 24 hours per coat. Surface absorption, temperature and humidity affect drying time.