

InPro Armorwall™ 2500

Application Guide

QUANTITIES AND COLORS

Container Sizes: 1 gallon and 5 gallon

PROPERTIES

APEO Surfactants	No
VOC (g/L)	49 g/L
Microban Certification	Yes
Contains Ceramic	Yes
Contains Crystalline Silica	No
Contains Ethylene Glycol	No
Prop 65 listed Chemicals	No
Meets LEED	Yes
Solids by Volume (%)	45.2%
Solids by Weight (%)	54.6%

OPTICAL PROPERTIES

Gloss Classification	Eggshell
Gloss @ 60°	6.8
Gloss @ 85°	10.2
Opacity	97.0%
L-Value	96.9%

RHEOLOGY

Leveling	10
Sag	12+

DURABILITY

Scrub Test	2542
Stain Removal	Excellent
Dry Burnish	TBD
Scratch Resistance	Superior
Dark Color Scratch Resistance	Superior

APPLICATION

Spatter Resistance	9
Coverage Rate	Approximately 400 sqft per gallon at 4 mils wet on smooth surface
Application Temperature	50°-90°F, RH < 50%
Dry Time	To touch – 30 minutes, 4 hours to re-coat
Shelf Life	12 months
Room Temperature Touchup	Excellent

SUBSTRATE

New Gypsum Board
Cured New Plaster
Painted Surfaces (Non-Gloss)

RECOMMENDED PRIMER

Armorwall Sealing-Drywall Primer
Armorwall Sealing-Drywall Primer
Armorwall Sealing-Drywall Primer (To extend coverage and provide uniform sealed surface)
Armorwall Bonding Primer (To extend coverage and provide uniform sealed surface)
Armorwall Bonding Primer
Armorwall Bonding Primer
Armorwall Bonding Primer
Armorwall Bonding Primer
Armorwall Bonding Primer
Armorwall Sealing-Drywall Primer
High quality, commercial grade 100% acrylic block filler
Spot prime knots and prime surface with 1 coat of a high quality commercial grade enamel undercoat.

Painted Surfaces (Semi-Gloss/Gloss)

Ceramic Tile/Block

Plastic Laminate

Fiberglass

Interior Metals

Cured Concrete/Masonry

Concrete Block

Wood



IPC.630/Rev.2

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All surfaces to receive the finish should be prepared as if to receive a typical paint application free from wax, oil, grease and water-soluble materials. All cracks, holes or voids should be filled with an appropriate patching compound, allowed to cure and spot primed. All markings should be removed and/or sealed with a stain blocking primer to prevent “bleed through”. Mildew must be neutralized and a stain blocking primer should be applied to the affected area. Glossy areas should be dulled.

- New Drywall - repair holes/cracks by patching with joint compound and sanding smooth. Wipe with a clean damp rag to remove all sanding dust and construction debris.
- Masonry/Concrete -must cure for 30 days before coating. Remove curing and form-release agents.
- Wood – sand exposed areas to a fresh surface. Fill nail holes and other surface damage with wood filler or putty. Sand smooth. Wipe with a clean damp rag to remove all sanding dust and construction debris.
- Plaster – allow new plaster to cure a minimum of 28 days prior to coating.
- Hard, Shiny Surfaces – clean thoroughly to remove wax, grease and/or oil residue. Scuff-sand with fine silicon carbide sand paper. Wipe with a clean damp rag to remove all sanding dust and construction debris.
- Previously Painted Surfaces – remove all loose paint, dirt, chalk and damaged substrate. Clean thoroughly to remove wax, grease and/or oil residue. Scuff-sand glossy surfaces. Wipe with a clean damp rag to remove all sanding dust and construction debris. Stains from water, smoke, grease, ink, etc. must be sealed with a suitable stain-blocking primer.
- Mildew – Mildew must be neutralized and removed before coating. Scrub affected areas with a 3:1 solution of warm water to household bleach. Rinse thoroughly with clean water and allow surface to dry completely before coating. Spot prime area with a stain blocking primer. Wear protective eyewear and waterproof gloves. Quickly wash skin that comes into contact with solution. Do not add ammonia or detergents to bleach/water solution.

IMPORTANT: Applicators should carefully inspect the wall surface prior to beginning an application and be sure to prepare a test area for approval prior to proceeding.

Project Conditions and Preparation

: Application Equipment

Airless Sprayer (preferred): Commercial grade sprayer equivalent to a Graco 395 or larger with a minimum tip size of .015 - .017 and minimum pressure of 2000 PSI.

Roller: 1/4 - 3/8 inch nap synthetic roller.

Brush: Synthetic fiber brush

Conventional Sprayer: Not Recommended

CAUTION! When spraying, wear goggles and a high-efficiency particulate respirator. Before spraying, caution-off the immediate application area to prevent others from coming into contact with spray mist.

: Project Conditions

Apply Armorwall 2500 only when surface and ambient air temperatures are 50°F - 90°F and relative humidity is less than 50% for 48 hours before, during and after the coating application. Substrate should be dry and free of moisture. Application area should be free from airborne containments prior to and during the coating application, and until the coating has fully cured. Coatings should be applied under adequate lighting. Do not apply in direct sunlight.



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If spraying in an enclosed area, mist ventilation is important. Use portable industrial air filtration units with disposable filters. Ensure adequate supplies of replacement filters are available.

Good lighting conditions and a good system for ventilating spray mist - visibility to the wall surface while spraying is critical to achieving best results.

: Limitations

Not recommended for use on the following:

- floors
- areas of corrosive chemical environments
- rusted substrates without adequate surface preparation and must be primed to minimize rust staining through the topcoat

Not recommended for immersion service or use on damp or wet surfaces, high heat, or humid conditions.

Excessive color tinting may cause unsatisfactory drying. Since these are water base coatings, dry time will be affected by temperature and humidity.

: Field Mock Ups

Prepare "Field Mock Up" sample for Architects, Designers and/or Owner's review for each color and finish specified and for each substrate using actual substrate material. Correct areas not accepted; modify methods of application to comply with specified requirements.

Do not proceed with work until field samples have been accepted.

Product Preparation

: Mixing

Material will settle during shipping and storage. Mix material thoroughly! Check bottom of pail to ensure thorough mixing with no fall-out. Box all containers of same color. Insufficient mixing may result in unacceptable color variation.

: Thinning

For spraying, it may be desirable to thin product with up to four ounces of water per gallon to achieve appropriate consistency for atomization.

Environmental Tips

- Only purchase the quantity you need.
- Do not mix paints for storage or disposal. Leave paint in the original container.
- Do not throw liquid paint in the trash or pour it down the drain.
- Small amounts of latex paint can be air-dried and normally disposed of through your trash collection system.
- Recycle leftover or unused paint. Contact your local government for recycling advice.

DO NOT ALLOW PRODUCT TO FREEZE!



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Armorwall 2500 Application

Apply Armorwall 2500 over a properly primed surface in a continuous, uniform, pinhole free film at a minimum of 4 mils wet. The approximate coverage rate is 400 sqft per gallon on smooth surfaces.

Good lighting and visibility are essential while spraying.

Take caution not to apply too heavily- material will sag.

1. Position the gun approximately 12 inches from the surface being sprayed. Trigger the gun just before spraying on wall. While triggered, the gun should remain fully triggered and moving continuously in a vertical motion.
2. Apply Armorwall 2500 in a continuous vertical motion with a 50% overlap of the previous spray stroke. Overlapping by less than 50% will result in striping, and more than a 50% overlap will apply the material too heavily resulting in sags.
3. When the end of the surface is reached, release the trigger, shutting off the material flow, but continue with the spray stroke for a few inches until the motion is reversed for the return stroke.

When rolling, be sure to do a mock-up for approval before proceeding as slight variation from sprayed sample may occur.

Cleaning Instructions

Allow product to cure for at least seven days following application (allow 28 days on hard, non-absorbent substrates) before applying cleaning chemicals. Most common stains can be easily removed using a sponge, rag or nylon bristle brush with water and mild soap or a general purpose cleaner. Before using a new cleaner for the first time, test its effect on the finish by applying in an inconspicuous area. Care should be taken not to rub the surface too aggressively to prevent burnishing.

Safety Information

Some persons may experience an allergic reaction to paint products if exposed to spray mist. Because spray application of this finish may create a fine mist of product in the immediate application area, a high-efficiency particulate respirator and protective glasses or goggles must be worn by the applicator. The immediate application area should be "cautioned-off" to prevent persons without safety equipment from coming into contact with mist. Ensure good ventilation. Review product MSDS sheets prior to application.

CAUTION: DO NOT TAKE INTERNALLY · CLOSE CONTAINER AFTER EACH USE · KEEP OUT OF THE REACH OF CHILDREN



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First Aid

- **Ingestion** – induce vomiting, consult a physician.
- **Skin Contact** – wash with soap and water.
- **Eye Contact** – immediately flush eyes for 15 minutes occasionally lifting eyelids. If contact lenses are worn, remove lenses and continue rinsing. Dispose of contaminated lenses. Consult a physician.
- **Inhalation** – Move to fresh air and obtain medical attention if necessary.

Refer to product MSDS. In case of emergency, MSDS information may be obtained by calling 800-535-5053.

Health and Environment

This material contains no lead, mercury or crystalline silica. Material Safety Data Sheets are available upon request. When spraying, use suitable respiratory protection and provide adequate ventilation.

Precautionary Information

In all cases, please read respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, and how it should be properly fitted.

Some of the components of various coatings may be irritating to the skin and/or eyes, so contact should be prevented. In case of contact, flush skin thoroughly with soap and water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention immediately.

During the application of all coating materials, all flames, welding and smoking must be prohibited.

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all the warnings and precautionary information on the product labels.

Avoid prolonged breathing of vapor and spray mist. Coatings should only be applied when ventilation is adequate. When available ventilation may not be adequate, applicators should wear respiratory protection, choosing the proper respirator with aid of the following:

Outdoor or open areas: Use filter type respirators (approved with NIOSH/MSHA) to remove solid airborne particulates from overspray.

Restricted ventilation areas: Use combination organic vapor-filter type respirators (approved with NIOSH/MSHA) that are designed to purify the air by removing solid airborne particulates and organic vapors.

Confined areas: Use supplied air respirators or hoods (approved with NIOSH/MSHA)

IMPORTANT! When applying coatings by spray equipment, observe all precautionary safety measures. Spray equipment must be handled with due care and in strict accordance with manufacturer's recommendations for personal safety, and to prevent fire. If precautions are not taken, spraying of any material can be hazardous, particularly when using high-pressure airless equipment. High pressure may inject coating into the skin causing serious injury, requiring immediate poison center contact and/or hospital treatment. When using or handling spray equipment hoses and the like, observe all required safety practices. In addition, when spraying paint or coatings, wear a respirator recommended for the product being handled. In all cases, wear protective eye equipment.

The facts and figures represented in the specification manual are accurate to the best of our knowledge, and are the results of testing in our laboratory. We do not express, warrant or guarantee the accuracy, completeness, or reliability of same. Since constant improvements are ongoing, future technical data may vary somewhat from what was available when this bulletin was printed.



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