

PRIMER 708

EXTERIOR ADVANCED ACRYLIC PRIMER

Technical Data & Application Instructions

PRODUCT DESCRIPTION

PRIMER 708 is a resinous, single component, exterior acrylic latex primer that is blister resistant, permanently flexible and highly durable. It exhibits excellent alkali resistance for use over concrete and masonry substrates. Because of its penetration ability, **PRIMER 708** is able to “wet” into caulky, or previously painted surfaces. It can be topcoated with a wide variety of finish coats. **PRIMER 708** is fast drying, remains permanently flexible and exhibits excellent weatherability characteristics.

PRIMER 708 is a water-based product, and conforms to all local, state and federal environmental and VOC requirements. It is also highly alkali resistant, meeting the requirements of ASTM C315.

BASIC USES

PRIMER 708 can be used to increase the bond over new or unpainted wood substrates. It is also effective at locking down residual chalkiness on previously painted exterior surfaces. Over concrete and masonry substrates, the alkali resistance of **PRIMER 708** make it an ideal choice for use under UNITED'S Acryclad and Aquathon Systems.

PACKAGING & MIXING

PRIMER 708 is a single component, ready to use material available in 1-gallon (3.8 liter) cans and 5-gallon (19 liter) pails.

Mix the material thoroughly prior to use until an even consistency is achieved. Use a power mixer or other mechanical method that is capable of mixing the contents of the entire container. Reducing the material is not normally required, however a small amount of water can be added if necessary.

PHYSICAL PROPERTIES

Property	Value	Method
Solids by Weight	29% (±1)	ASTM D2369
Solids by Volume	19% (±1)	ASTM D2697
Viscosity	1300 (±300) cps	ASTM D2196
Weight per Gallon	9.5 lbs (±2) (4.3 kg)	ASTM D1475
Dry Time to Touch	20 to 30 minutes @ 75°F (24°C), 50% R.H.	ASTM D1640
Cure Time for Recoating	45 to 90 minutes @ 75°F (24°C), 50% R.H.	ASTM D1640

ADVANTAGES

- **APPLICATION VERSATILITY:** **PRIMER 708** exhibits excellent adhesion over a wide variety of properly prepared surfaces including new and weathered wood, previously painted surfaces, concrete, masonry, brick and exterior wallboard.
- **HIGH RESIN CONTENT:** **PRIMER 708** contains a high ratio of resin to filler pigments, providing excellent cold temperature performance. This also allows it to wet into bare substrates as well as existing finishes, providing maximum adhesion.
- **EXCELLENT FLEXIBILITY:** The acrylic resins utilized in **PRIMER 708** allow for maximum penetration and flexibility characteristics. It will not become brittle with age.
- **VOC COMPLIANT:** **PRIMER 708** is a water-based product and conforms to all local, state and federal environmental regulations and VOC requirements. Cleanup is easily accomplished using soap and water.

COLORS

PRIMER 708 is available in standard Off-White. It can also be tinted to a wide range of custom colors to meet specific jobsite requirements. Color chips or samples must be furnished to UNITED for all custom colors.

SURFACE PREPARATION

All surfaces must be clean and dry, and free from dirt, grease, oils, soapy films, pollution fallout, surface chemicals, rust, scale and other foreign contaminants that may interfere with optimum adhesion.

All loosely adhering paint or coating shall be completely removed by scraping, pressure washing, blasting or other mechanical means. Any existing paint or coating, if not completely removed, shall be checked to verify that it is tightly adhered to the substrate. Prior to coating over any existing paint or coating, a test area must first be applied to verify compatibility and adhesion.

Glossy surfaces must be dulled by abrading the surface using brush blasting, sanding or other mechanical means. Chalky, oxidized or other contaminated surfaces must be washed with **United Cleaning Concentrate (UCC)** or equivalent biodegradable cleaner.

WOOD SURFACES: Wood shall be free from dust, ridges and projections. All pits, gouges, knotholes and other depressions shall be filled and leveled using exterior grade wood putty. Degraded, deteriorated or unsound surfaces shall be repaired or replaced. If tannin or stain-blocking qualities are required over wood substrates, **Acrylex 400 Primer** should be utilized.

CONCRETE SURFACES: Concrete surfaces must be free from curing agents, form release agents, surface chemicals, sharp projections, ridges and loose aggregate. New concrete should be water-cured in lieu of using a curing compound. Restore any loose aggregate to a reasonable condition using **Uni-Crete, Wall-Bond** or similar cementitious patching or resurfacing compound.

Sandblasting of concrete will be necessary if the surfaces are contaminated to the point that acid, chemical cleaning or power washing is not sufficient for removal. Concrete surfaces having a smooth, steel trowelled finish should be acid etched or sandblasted. **PRIMER 708** provides excellent alkali resistance over concrete and masonry substrates.

OTHER SURFACES: **PRIMER 708** adheres directly to most clean fiberglass and plastic surfaces. New or dense surfaces should be scuff-sanded prior to priming.

PRIMER 708 can be topcoated as soon as it has thoroughly dried, and should normally be topcoated within 48 hours of application. Surfaces that have become contaminated must be recleaned prior to topcoating.

APPLICATION

PRIMER 708 may be applied by brush, conventional or airless spray. Any airless spray capable of 1,000 psi (6,980 kPa) and ½ gallon per minute (1.9 l/minute) can be used. A reversible, self-cleaning spray tip with an orifice size of .015" to .021" (.38 to .53 mm) and minimum 40 degree fan angle is recommended. Before spraying, flush equipment with clean water.

Coverage rate will vary depending upon the substrate, its surface profile and porosity. One coat is usually sufficient for priming most surfaces. The following chart should be used as a guideline only for determining approximate application rates:

Substrate	Coverage Rate
Wood	250-300 ft ² /gal (6.1-7.3 m ² /l)
Smooth Concrete	250 ft ² /gal (6.1 m ² /l)
Standard Concrete Block	200 ft ² /gal (4.9 m ² /l)
Lightweight or Textured Block	150 ft ² /gal (3.7 m ² /l)

When using **PRIMER 708** as a spot primer over previously coated surfaces, abrade the existing material to a feather edge so that the topcoat makes a smooth transition over the primed areas. Apply using multi-directional spray passes to assure positive coverage. On porous or textured surfaces requiring more than one coat, subsequent coats should be applied in a direction perpendicular to the previous coat after it has dried.

When used as a shop primer, the surfaces should be thoroughly washed with **UCC** or equal, and spot primed as necessary prior to topcoating.

Use water and **UCC** to thoroughly flush the equipment. Purge the water from the system using a mild solvent. Leave the solvent in the lines until next use.

LIMITATIONS & PRECAUTIONS

PRIMER 708 will freeze and become unusable below 32°F (0°C). Do not ship or store unless protection from freezing is available.

Do not apply if conditions will not permit complete cure before rain, dew or freezing temperatures occur. Do not apply **PRIMER 708** at temperatures below 50°F (10°C), or when there is a possibility of temperatures falling below 32°F (0°C) within a two hour period after application.

PRIMER 708 may be an irritant to skin. Avoid breathing of vapor or spray mist. Approved MSHA/NIOSH chemical cartridge respirator must be worn by applicator. Avoid contact with eyes and skin. For additional information, refer to OSHA guidelines and **PRIMER 708** Material Safety Data Sheet.



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