Genesis Coatings, Inc.
2780 La Mirada Drive, #D
Vista, CA 92081
(800) 533-4273

Application Instructions

GCR™ 47
Acrylic Primer

Updated: 04/22/08

CLEAN UP AND PRECAUTIONS

***Qualifications*:** 1. Skilled contractors, who are trained, experienced, and familiar with acrylic systems should use product. 2. Contractor must thoroughly read tech spec, label, and MSDS prior to application. If there are any additional technical questions, call either the Distributor or the Manufacturer before commencing the job.
***Preparatory Work*:** Surfaces must be clean, dry, and in sound condition. Remove all oil, grease, dirt, loose rust, and other foreign contaminants to ensure proper adhesion. Strict adherence to all cleanliness standards must be adhered to.
Aluminum: Remove all oils and grease from surface by Solvent Cleaning per SSPC-SP1. Test for adhesion and appearance.
Concrete and Masonry: For surface preparation, refer to SSPC-SP13/NACE 6. Surfaces should be thoroughly clean and dry. Heavy Duty Block Filler should be thoroughly dry before topcoating per mfr.'s recommendations. Note: Surface Temperature should be at least 55°F before filling.
***Galvanizing*:** Allow to weather a minimum of six months prior to coating. Remove all oil, grease, dirt, oxide, and other foreign material by Solvent Cleaning per SSPC-SP1. Most applications are self-priming. Test for adhesion and appearance.
***Iron & Steel*:** Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from surface By Steam Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer required for most applications. Surface defects revealed by blast cleaning should be ground filled or treated in the appropriate manner.
***Previously Painted Surfaces*:** If in sound condition, thoroughly clean surfaces of all foreign material. Abrade smooth, hard, or glossy surfaces to achieve a proper surface profile. Test material prior to application. Allow test paint to dry at least one week prior to adhesion test. If poor adhesion, additional abrasion may be necessary. In some cases, previous coating will need to be completely removed. Do not apply to weathered peeling, or damaged coatings.

Drying Schedule @ 5.0 mils wet – 50% RH:

Temp/Humidity Dependent	50°F	77°F	110°F
To Touch:	1 HR	40 MIN	30 MIN
Tack Free:	2 HRS	1 HR	1 HR
To Recoat:	2 HRS	1 HR	1 HR

APPLICATION EQUIPMENT

Reducer/Clean Up: Clean, fresh water.

Airless Spray:
Pressure: 1500 psi
Hose: 1/4" ID
Tip: . 017" – .021"
Filter: 60 mesh
Reduction: Max 12.5% by volume

*Adjust pump pressure to lowest possible setting that allows proper atomization. Good air flow is pertinent.

Conventional Spray:
Gun: Binks 95
Fluid Nozzle: 66
Air Nozzle: 63 PB
Atomization Pressure: 50 psi
Fluid Pressure: 15-20 psi
Reduction: Max 12.5% by volume
HVLP can also be used to apply material.
*Applicator must use precaution when spraying coating. Avoid overspraying and spillage. *Utilize proper OSHA safety standards when applying in confined areas.
Brush: Nylon/Polyester.
Suitable solvent resistant mohair or other natural brushes with feather edge. May require more than 1 coat.
Roller: Suitable chemical resistant phenolic core with nap sheepskin or other natural. May require more than 1 coat.
NOTE: Above equipment is to be used as suggestions. Other equipment may be substituted.

*Utilize proper OSHA safety standards when applying in confined areas.

APPLICATION

Temperatures above 110°F may cause dry spray, poor adhesion and uneven sheen.

Application Conditions:

Temperature (air, surface, material):
50°F minimum - 110°F maximum
Relative Humidity: 85% maximum
NOTE: Temperature, humidity and direct exposure to sunlight directly affect dry time.

Temperatures below 40°F may require additional dry and curing time, and may exhibit poor adhesion. Temperatures above 110°F may cause dry spray, poor adhesion and uneven sheen. Surface preparation must be completed as indicated. Mix paint thoroughly by boxing and stirring – use air driven Jiffy mixer. Apply paint at a mil thickness of 3 - 6 wet mils. See technical information for theoretical coverage rates.

IMPORTANT INFORMATION

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas. When using spray applications, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross-coat spray at a right angle. During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. If possible, plan painting schedules to avoid these influences during the first 16 – 24 hours of curing.

Excessive reduction of the material can affect film build, appearance, and adhesion. Test product on substrate prior to application to insure adhesion, desired color and finish, compatibility, and performance. All unused material should be stored in tightly closed containers and filtered prior to re-use. Once coating is thoroughly dry, sand with 120 to 220 grit. Wipe with alcohol prior to top coating. NOTE: Two coats may be applied. Allow coating to dry in between coats.

CLEAN UP AND PRECAUTIONS

DO NOT USE HYDROCARBON SOLVENTS FOR CLEANING!

Clean spills, splatters, and equipment *immediately* with MEK, acetone or solvent. Follow mfg's safety recommendations when using any solvent. Do not allow catalyzed material to stay in hoses. Clean material on skin and hair immediately with industrial soap and water.

All surplus material and empty containers should be disposed of in accordance with local, state and federal regulations.

IMPORTANT: Proper methods to protect over spraying should be implemented. Atomized particles will adhere to most surfaces and are extremely difficult to remove. Do not allow material to dry onto surface, skin or hair.

Precautions:
Please read Material Safety Data Sheets (MSDS) carefully. Use only with adequate ventilation. Prevent breathing of spray mists. In confined areas, wear a properly fitted respirator during application until all vapor and spray mists are gone. Protect eyes and skin. Do not take internally. Do not use if you have had a prior reaction to acrylic resins.

KEEP OUT OF REACH OF CHILDREN!!

Limited Warranty:
The liability of the Manufacturer and/or Distributor to the Buyer or a third party, for any lost or damages, whether direct or otherwise arising out of the purchase of product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer of the Product hereunder. In no event will Manufacturer and Seller be liable for any loss of profits or other special consequential damages, even if Seller has been advised of the possibility of such damages. The foregoing limitation on liabilities is in lieu of all other warranties expressed or implied including, but not limited to, those concerning merchantability and fitness for a particular purpose.

Contact the manufacturer for any further questions: GENESIS COATINGS RESOURCE (800) 533-4273.