Primer MR6 Data Sheet

Two Component Acrylic Metal Primer

Product Description

PRIMER MR6 is a two component, fast curing, high strength acrylic reactive resin. It is formulated to form a cohesive bond with the substrate. This system cannot be thinned with the additions of any solvents

Typical Uses

PRIMER MR6 is used to prime metal substrates prior to the application of Stirling Lloyd, now GCP Applied Technologies systems.

Product Advantages

- Excellent bond to substrate
- Bond test allows for on site quality assurance
- Low viscosity suitable for brush, roller and spray application
- Fast cure, less than one hour
- Indoor and outdoor applications
- Easy to apply to horizontal and vertical surfaces
- Seamless, no cold joints, always bonds to itself
- Used over a wide temperature range, even below freezing

Physical Characteristics

Percent Solid 100
Pot Life @ 68°F 10-20 minutes
Cure Rate @ 68°F 30-45 minutes
Recoat Time 30-45 minutes
Tensile Strength 4,000 psi
Tensile Modulus 400,000 psi

Surface Preparation

The substrate must be dry and free from oil, grease, dirt, bituminous and other contaminants. All loose rust and scale must be removed with appropriate mechanical means. For outside applications, PRIMER MR6 should be applied as soon as possible (4 hours) to newly prepared surfaces.

Bond Test

Prior to full application of the primer, bond tests shall be conducted to determine adequacy of substrate preparation and bond. The bond of the primer to the substrate should be greater than or equal to 290 psi. Some application may require higher values. If low values are obtained, this would indicate that further preparation is required.

Application

PRIMER MR6 can be brush, roller or spray applied. The appropriate amount of Hardener Powder is determined by the Stirling Lloyd Mixing Guide and is a function of the material and substrate temperature. The Hardener Powder is added to the resin and thoroughly dispersed. Due to the material's relatively short pot life, only make enough material that can be applied in five (5) minutes.

Coverage

PRIMER MR6 is applied in one coat at a rate of 100-175 ft^2/gal depending on the texture of the substrate.

Cure

PRIMER MR6 will dry to touch, typically in 30-45 minutes. At this time, the subsequent application can be performed.

Cleaning

Do not let the material harden on tools. Clean up may be done with a solvent such as acetone.

Precautions

PRIMER MR6 resins are flammable liquids in their uncured state. No smoking, open flames or sparks should be permitted during the handling of the product. Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Adequate cross ventilation should be provided and, if necessary, explosion proof fans may be required

Health & Safety

Users must read and understand the product label and Safety Data Sheet for each system component before use. All users should acquaint themselves with this information prior to working with the material. Carefully read detailed precaution statements on the product labels and SDS before use. SDS's can be obtained from the GCP web site at gcpat.com or by contacting GCP toll free at 1-866-333-3SBM (3726)

Storage

Store cool and dry, out of direct sunlight. Do not store near open flame or food. PRIMER MR6 has a shelf life of one year at a minimum in the original unopened container.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use that would infringe any patent, copyright or other third-party right.

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