

Carrara MP

Metal Primer

Technical Data & Application Instructions

PRODUCT DESCRIPTION

CARRARA MP is a single component, premium quality exterior acrylic latex primer that is blister and stain resistant, permanently flexible and highly durable. It exhibits excellent corrosion resistance over metal substrates, alkali resistance over concrete and masonry, and tannin-blocking ability over wood surfaces. Because of its application versatility, CARRARA MP can be top-coated with a wide variety of finish coats. Its fast dry quality, weather resistant characteristics and extended open time, also make it an effective shop primer. CARRARA MP is a water-based, medium viscosity material, and conforms to all local, state and federal environmental and VOC requirements.

BASIC USES

CARRARA MP is effective in providing corrosion protection, flash rust resistance and enhanced adhesion over steel, aluminum and galvanized metal surfaces. It can be applied over lightly (or "flash") rusted to moderately rusted, sound surfaces. Areas that exhibit heavy rust should be primed with solvent borne primer. Scaly rusted metal must be brought into sound condition or be replaced. Carrara Fine Texture, Stonella, Tiffany Stone and Tuscany Stone all achieve outstanding adhesion to CARRARA MP. It is also effective at locking down residual chalkiness on previously painted exterior surfaces. Over concrete and masonry substrates, the alkali resistance of CARRARA MP makes it an ideal choice for use under Carrara ColorSeal, ColorFlex and Carrara Texture finishes. CARRARA MP is a single component, off-white, ready to use material available in 1-gallon (3.8 liter) cans and 5-gallon (19 liter) pails.

PHYSICAL PROPERTIES

1. Solids by Weight:
46% (±1) [ASTM D2369]
2. Solids by Volume:
36.2% (±1) [ASTM D2697]
3. Weight per Gallon:
10.1 lbs (4.6 l) (± 2) [ASTM D1475]
4. Dry Time To Touch:
20 to 30 minutes @ 75°F (24°C), 50% R.H. [ASTM D1640]
5. Cure Time for Recoating:
1 to 24 hours @ 75°F (24°C) [ASTM D1640]

Top-coating time for water-base products is approximately 1 hour. Allow 24 hours prior to top-coating with solvent-based products.

6. Volatile Organic Content (VOC):
87 grams/liter (calculated)
7. Low & High Temperature Limits:
-30°F to 150°F (-34°C to 66°C)



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Our data and suggestions are based on information from laboratory and field testing which we believe to be reliable. Because methods of application vary with each situation, we cannot guarantee or accept any liability resulting from the use of our products. Avoid contact with eyes and skin. For additional information on **ACRACREAM** safety requirements, refer to OSHA guidelines and Material Data Safety Sheet.

SURFACE PREPARATION

All surfaces must be clean and dry, and free from dirt, grease, oils, curing or release agents, soapy films, pollution fallout, surface chemicals, unsound 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. Abrading the surface using brush blasting, sanding or other mechanical means must dull glossy surfaces. Chalky, oxidized or other contaminated surfaces must be washed with a biodegradable cleaner. Heavy deposits of dirt or contamination may require agitation with a stiff-bristle broom or similar mechanical scrubber.

METAL SURFACES

All metal surfaces must be free of rust scale, forming oils, metal slivers and weld slag. Metal surfaces must be chemically cleaned or blast abraded according to the specific project requirements. Processing oils on new-galvanized metal surfaces must be removed using a vinegar or muriatic acid solution as defined in SSPC-SP8 Pickling. Before any visible rusting occurs, the cleaned or blasted surface shall be primed by the end of the same workday. If rusting occurs after cleaning, the surfaces must be re-cleaned prior to coating.

APPLICATION

CARRARA MP 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 40degree fan angle is recommended. Before spraying, flush equipment with clean water to prevent contamination. 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
Galvanized Metal	300 ft ² /gal (7.3 m ² /l)
Steel	200 ft ² /gal (4.9 m ² /l)
Aluminum	300 ft ² /gal (7.3 m ² /l)

CARRARA MP can be top coated as soon as it is thoroughly dried, and should normally be top coated within 48 hours of application. Surfaces that have become contaminated must be cleaned prior to top coating. When used as a shop primer, the surfaces should be thoroughly washed and spot primed as necessary prior to top coating.

Use water to thoroughly flush the equipment. Purge the water from the system using a mild solvent, leaving the solvent in the lines until next use.

LIMITATIONS & PRECAUTIONS

CARRARA MP 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. Do not apply CARRARA MP at temperatures below 50°F (10°C), or when there is a possibility of temperatures falling below 32°F (0°C) within 2 hours of application. 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 CARRARA MP Material Safety Data Sheet.



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