



## GALVAGRIP™

### TECHNICAL DATA

### SURFACE PREPARATION COMPOUND FOR GALVANIZED STEEL

#### THE PRODUCT AND ITS USES

GalvaGrip is a proprietary adhesion-enhancing compound which, when used on galvanized surfaces, greatly increases the adhesion of Madison coatings, thereby eliminating the need for blasting for virtually all applications, including embedded and immersion service. GalvaGrip also works well on weathering steel (sometimes referred to as Corten Steel).

The product is an aqueous, gel-like emulsion that is easy to use and environmentally-friendly. It contains a rust-dissolving agent, a powerful degreaser, an industrial-grade surface penetrating compound and Madison's proprietary AP-50 Adhesion Promoter, all of which work synergistically to create adhesion comparable to that achieved with commercial-grade sandblasting on weathering steel and with a near-white abrasive blast on galvanized structures.

GalvaGrip is mentioned in various Technical Data Sheets and Application Instruction Bulletins where appropriate. It is most often used with GalvaClad products, which are especially formulated for use on galvanized and weathering steel structures.

#### TECHNICAL INFORMATION

PROPERTY	TEST DESCRIPTION	RESULTS
Appearance	N/A	Soapy, gel-like liquid
Application temperatures	N/A	5° C (40° F) to 65° C (110° F)
Volatile Organic Compounds (VOCs)	ASTM 2369	zero
Pot life	N/A	indefinite
Adhesion	ASTM D-4541	Topcoat will achieve adhesion in excess of 2,000 p.s.i.
Flammability		Non-flammable and non-combustible

NOTE: All statements, technical information and recommendations contained herein are typical of results obtained under laboratory conditions and are not intended to be used as contract specifications. For specification guidelines please contact Madison Chemical. The information contained herein is believed to be accurate as of the date of publication. Madison reserves the right to change product specifications without notice.

## APPLICATION INSTRUCTIONS

CONTACT MADISON FOR DETAILED [APPLICATION INSTRUCTION BULLETIN](#) (also available online).

## SURFACE PREPARATION

On Galvanizing, file or grind any burrs, weld spatter or other surface roughness that may protrude through the subsequently-applied coating. Welds and other sharp edges should be rounded (ideally, this will have been done before the piece is galvanized). On old structures, remove loose rust, scale and/or old paint by manual or power wire brush. Then apply GalvaGrip as detailed below.

Weathering steel is prepared in the same way as galvanizing. However, adhesion will not be as great. In immersion conditions, a commercial blast followed by treatment with GalvaGrip is recommended.

## APPLICATION PROCEDURES

GalvaGrip should be applied full strength by brush or with a low pressure sprayer (see Application Instruction Bulletin). Thoroughly wet the structure and allow GalvaGrip to penetrate into the surface for 15-20 minutes. Surface may need to be rewetted occasionally. Then rinse with a high pressure stream of straight tap water using a power washer with a rating of 1,000 psi or higher. Freshly cleaned surfaces should be force air dried. Apply one of the following Madison coatings: GalvaClad Aromatic, GalvaClad Aliphatic or GalvaClad Liquid Zinc. The first two are instant setting products intended for shop use. The third is paint-like and can be used on its own (two coats in that case) or it can be topcoated with AcrylaThane or TufSheen PreCatalyzed. Metal should be coated within 8 hours of being conditioned with GalvaGrip.

## HEALTH AND SAFETY

GalvaGrip is non-hazardous and environmentally "green". It can be used indoors or out. Take all normal precautions associated when handling mild industrial chemicals and operating a pressure washer, for example wear safety glasses or goggles, gloves and protective clothing. If swallowed, do not induce vomiting, give 3-4 glasses of water to dilute and get immediate medical care. Consult the MSDS for detailed information. Runoff is safe for ground absorption or sanitary sewer disposal (assuming the surface being prepared is not contaminated with a hazardous substance requiring special disposal precautions)

**NOTE:** the words Madison, GalvaGrip, AP-50 Adhesion Promoter, GalvaClad, AcrylaThane and TufSheen are exclusive trade marks of Madison Chemical Industry Inc.

## LIMITED TWO YEAR WARRANTY

Madison will replace any product which, in service for which it is suitable, fails to meet specifications within two years of sale and which is proven to be defective when applied according to instructions by a Madison Approved Applicator or Certified OEM Applicator. Madison accepts no responsibility or liability for any other loss, claim, damage, injury or expense, direct or consequential, in contract or negligence. This product replacement warranty is in lieu of any other right, warranty, guarantee or condition, statutory or otherwise, expressed or implied, whether as to fitness for a particular purpose or as to merchantable quality or otherwise.

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