



GALVAGRIP™

TECHNICAL DATA

SURFACE PREPARATION COMPOUND FOR GALVANIZED STRUCTURES

THE PRODUCT AND ITS USES

GalvaGrip is a proprietary surface preparation compound which, when applied to galvanized surfaces, removes oxides and other contaminants. The result is a pristine surface ready for the protective coating of your choice, without the need for expensive and invasive abrasive blasting. GalvaGrip also works well on weathering steel (sometimes referred to as Corten Steel).

The product is a gel that looks like car wash foam, 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.

The GalvaGrip-prepared surface can be coated with any Madison polymer coating which also contains AP-50. 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 Liquid
Application temperatures	N/A	10°C (50°F) to 40°C (100°F)
Volatile Organic Compounds (VOCs)	ASTM 2369	zero
Pot life	N/A	indefinite
Adhesion	ASTM D-4541	Topcoat will achieve adhesion in excess of 2,500 psi on galvanized metal and 1,500 psi on weathering steel
Flammability		Non-flammable and non-combustible
Theoretical Coverage		200-250 sq. ft/gal

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

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. Suitable for all applications up to and including embedded service.

APPLICATION PROCEDURES

GalvaGrip should be applied full strength with a low pressure sprayer (see Application Instruction Bulletin). Apply GalvaGrip to a thickness of 6-8 mils for maximum effectiveness and allow it to penetrate into the surface for at least 15 minutes (actual time depends on ambient temperature and the condition of the substrate and allow an extra 20 minutes on weathering steel). Do not apply in direct sunlight or on hot metal as product will cake (dry out) before finishing its job. Keep wetting surface if necessary. Remove GalvaGrip with a high pressure stream of straight tap water using a power washer with a rating of 1,000 psi or higher. Add 3-5% baking soda to rinse water to neutralize "spent" GalvaGrip. Thoroughly dry surface with clean compressed air to remove all traces of moisture and 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. Coat metal immediately after being conditioned with GalvaGrip in order to avoid flash rust.

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. This material is corrosive to Aluminum only. 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).

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.

NOTE: The following are Trademarks and/or Registered Trademarks of Madison Chemical Industries Inc.:
Madison, GalvaGrip, AP-50 Adhesion Promoter, GalvaClad, AcrylaThane and TufSheen

Version 7, December 2010

F:\data\literature\library\Madison\30tdsinfrastructure\galvagrip ver 07 2010 12 15



Madison Chemical Industries Inc.
The Technology Leader For Infrastructural Coatings®
490 McGeachie Drive, Milton, Ontario, Canada, L9T 3Y5
Phone: (905) 878 - 8863 Fax: (905) 878 - 1449
E-mail: sales@madisonchemical.com www.madisonchemical.com