



FERROGRIP™

TECHNICAL DATA

SURFACE PREPARATION COMPOUND FOR STEEL STRUCTURES

THE PRODUCT AND ITS USES

FerroGrip is a proprietary adhesion-enhancing compound which, when used on steel surfaces, greatly increases the adhesion of Madison coatings, thereby eliminating the need for blasting in most cases involving atmospheric (non-immersion) service.

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 mild steel and other metals.

For light-to-medium duty applications, topcoat FerroGrip with one of Madison's water-dispersible technologies such as the FusionClad series of acrylic and polyurethane primers and topcoats. For medium to heavy duty, prime the prepared surface with AlumiZinc "S", a long lasting zinc rich primer, then finish off in the shop or in the field with the Madison topcoat of your choice (or simply apply two coats of AlumiZinc "S"). All of these products are paint-like and contain the same AP-50 Adhesion Promoter that is in FerroGrip. For instant turnaround, many of Madison's plural component instant-setting coatings (CorroCote and CorroPipe series for example) can be fortified with AP-50, so as to work in conjunction with FerroGrip as a one-coat high-build system.

TECHNICAL INFORMATION

| PROPERTY | TEST DESCRIPTION | RESULTS |
|-----------------------------------|------------------|---|
| Appearance | N/A | Soapy Liquid |
| Application temperatures | N/A | 5° C (40° F) to 45°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

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. On old structures, remove loose rust, scale and/or old paint by manual or power wire brush. Then apply FerroGrip as detailed below.

APPLICATION PROCEDURES

FerroGrip should be applied full strength by brush or with a low pressure sprayer (see Application Instruction Bulletin). Thoroughly wet the structure and allow FerroGrip to penetrate into the surface for 20-30 minutes. Occasional re-wetting of the surface may be needed. 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 a suitable Madison coating system (see "The Product and its Uses" above). Ask your Madison representative for specific recommendations.

HEALTH AND SAFETY

FerroGrip 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).

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 words Madison, FerroGrip, AP-50 Adhesion Promoter, FusionClad, AlumiZinc, CorroCote and CorroPipe are exclusive trade marks of Madison Chemical Industries Inc.

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