

**MADISON CHEMICAL INDUSTRIES INC
INFRASTRUCTURAL COATINGS DIVISION
“NO-BLAST” TECHNOLOGY
APPLICATION AND END USE SUMMARY**

The following table indicates the types of “Infrastructural” service for which Madison’s No-Blast protective coating technology is suitable, as well as some system choices for each type and typical adhesion values. In each case, the surface preparation consists of FerroGrip Surface Conditioner for steel and GalvaGrip for galvanized surfaces. These foamy soap-like products, when spray applied to the substrate, will degrease the surface, dissolve all oxidation (mill scale and rust) and deposit a layer of Madison AP-50 Adhesion Promoter. Each of the topcoats listed in the table comes with AP-50 as a standard ingredient or is available with AP-50 as an optional extra.

TYPE OF SERVICE	RECOMMENDED PRODUCT / SYSTEM	TYPICAL ADHESION VALUES
Light to medium duty industrial / commercial atmospheric exposure, e.g. above ground storage tanks, beams, girder, structural steel generally For longer service life in these environments, see “medium to heavy duty” below.	1. Water dispersible two coat alternative: FusionClad Primer topcoated with either FusionClad TC or TC Ultra to a total system thickness of 6 to 8 mils min. 2. Solvent dispersible one-coat alternative: AcrylaThane 55 direct to metal, 6 to 8 mils min.	1,500 p.s.i. ± 300 p.s.i.
Medium to heavy duty atmospheric exposure, e.g. splash and spill, fumes, coastal areas; For severe service, e.g. bridges, increase mils to 16 min. or use one of the systems below	AlumiZinc “S” 4 to 6 mils, topcoated with either itself or with FusionClad TC Ultra or with AcrylaThane 55 or 5200 (4 to 6 mils in each case) total 8 to 12 mils min.	1,500 p.s.i. ±300 p.s.i.
Embedded service, e.g. external coating of underground structures	CorroCote II Plus , 16 mils min or one of the systems below	2,200 p.s.i. ± 300 p.s.i.
Full immersion service, e.g. internal lining of storage tanks	CorroCote II UltraLiner or CorroCote II PW Ultra or MG-120 , 20 mils min	2,600 p.s.i. ± 300 p.s.i.

FusionClad Primer – advanced polymer-based water dispersible steel primer; single component, PreCatalyzed format; acrylic backbone

FusionClad TC – matching topcoat for above

FusionClad TC Ultra – next-generation waterborne aliphatic polyurethane topcoat, Mix-&-Apply (“M&A”) format

AlumiZinc “S” – user-friendly, surface tolerant Zinc Rich Primer, solvent borne (M&A format)

AcrylaThane 55 – aliphatic acrylic topcoat, solvent borne, semi-gloss, high build (M&A format)

AcrylaThane 5200 – as above but higher gloss and solids content, lower per-coat film build (M&A format)

CorroCote II Plus - 100% solids instant set, structural polyurethane, plural equipment (1:1)

CorroCote II UltraLiner – as above but formulated with newly-available, premium, next-generation resins

CorroCote II PW Ultra – as above but for food and potable water contact

MG-201 – 100% solids epoxy, M&A format, suitable for immersion in most liquids including potable water.

Bulletin issued January, 2010; check for latest update, as range of product choices is expanding