

## Rapid Build

### Heavy-Duty Textured Waterproof Sprayable & Brushable Coating For Surface Protection

LRM Products FerriSeal – Rapid Build is a fluid applied polymer modified emulsion for improved traction in high traffic areas. FerriSeal Rapid Build is recommended for protection of metallic elements, compounds and alloys corrosion.

FerriSeal Rapid Build when cured fully adheres to the substrate to which it is applied, providing a flexible long wearing surface. FerriSeal Rapid Build is not affected by sunlight, water or occasional chemical spills. FerriSeal Rapid Build is a single component, cold applied coating, applied alone or in conjunction with FerriSeal Bulk Build or Quick Set.

FerriSeal Rapid Build is a polymer modified emulsion formulated for application by brush, roller or squeegee or aggregate spray equipment. Applications Heavy Equipment, Metal Roof Repairs, Metal Protection and for extra UV resistance to any metallic surfaces.

FerriSeal Rapid Build is water based and environmentally safe, providing an excellent textured coating that is flexible and resists cracking, chipping and aging, with excellent freeze/thaw resistance.

\* Free of flammable solvents \* non-toxic \* no voc's \* low odour & water based

### APPLICATION

FerriSeal Rapid Build is a single component product that may be applied using a roller, squeegee or aggregate spray equipment. FerriSeal Rapid Build is applied in thickness from 1.0 - 2.0mm.

FerriSeal Rapid Build should be applied to a dry surface, free of dirt, debris, oil or grease and should not be applied when the ambient temperature is below 10 °C, or if rain is expected within 24 hours of application. With joints or cracks in the surface a reinforcing fabric impregnated with FerriSeal Rapid Build is recommended.

FerriSeal Rapid Build is to be applied at a rate of 1.7L per 1m<sup>2</sup> for 1mm of coverage. Curing time may vary depending on temperature and relative humidity. FerriSeal Rapid Build cures in 24-48 hours at 20 °C when applied at a dry film thickness of 1.0mm.

### LIMITATIONS

FerriSeal Rapid Build should not be applied when the ambient temperature is below 10 °C. The uncured membrane may be damaged if frozen and should not be applied to wet or frozen surfaces or directly prior to rain. Please consult technical service with any questions.

### CAUTION

Keep out of reach of children. Avoid storage below 5 °C. Please consult the Safety Data Sheet before using LRM Products FerriSeal Rapid Build.

FerriSeal Rapid Build is mildly alkaline. When applying this product observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product SDS.

## TECHNICAL SERVICE

### Physical Properties (Liquid)

Property	Typical Results
Colour	Black
Specific gravity (liquid) g/cm <sup>3</sup>	Approx. 1.0
Odour	None
Volatile Organic Compound	Contains no solvents
Solids Content	58 - 63%
Viscosity, Brookfield (cps)	8,000 -9,000
pH	10 - 12

### Performance Data (Cured Membrane)

Property	Typical Results
Colour	See colour chart
Specific gravity, g/cm <sup>3</sup>	Approx. 1.2
Chemical resistance	Resists salt water and many organic and inorganic solutions
Tensile Strength ASTM D 412, kPa (psi)	2000 (300)
Elongation, %	200%
Adhesion to concrete ASTM C 907, kPa (psi)	1400 (200)
Sag flow	None
Low temperature mandrel CGSB 37.58-M86, para. 7.2.6, -15 °C	Pass
Hardness, Durometer Type 00	93 - 96
Hardness, Durometer Type A	85 - 88
Hardness, Durometer Type D	25 - 30
Coefficient of friction (static)	0.60
Abrasion resistance	Good - very good

### Coverage

Cured Membrane		Coverage		
mL	mm	ft <sup>2</sup> /gal	ft <sup>2</sup> /litre	m <sup>2</sup> /litre
40	1.00	30	7.53	0.71
80	2.00	15	3.76	0.35
120	3.00	10	2.51	0.24