

## Rapid Build

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

LRM Products TerraSeal – Rapid Build is a fluid applied polymer modified emulsion for improved traction in high traffic areas. TerraSeal Rapid Build is recommended for a robust solution for land sealing.

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

TerraSeal Rapid Build is a polymer modified emulsion formulated for application by brush, roller, squeegee or aggregate spray equipment. Applications include land sealing, dams, land fill encasement, waste water storage, tailing ponds and commercial fish breeding ponds.

TerraSeal 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

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

TerraSeal 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 TerraSeal Rapid Build is recommended.

TerraSeal 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. TerraSeal Rapid Build cures in 24-48 hours at 20 °C when applied at a dry film thickness of 1.0mm.

### LIMITATIONS

TerraSeal 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 TerraSeal Rapid Build.

TerraSeal 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	Black
Specific gravity, g/cm <sup>3</sup>	Approx. 1.0
Chemical resistance	Resists salt water and many organic and inorganics olutions not recommended for gasoline or other petroleum products.
Tensile Strength ASTM D 412, kPa (psi)	618 (90)
Elongation, %	850%
Adhesion to concrete ASTM C 907, kPa (psi)	765 (111)
Sag flow	None
Low temperature mandrel CGSB 37.58-M86, para. 7.2.6, -15 °C	Pass
Hardness, Durometer Type 00	50
Coefficient of friction (static)	0.60
Abrasion resistance	Passed (168)

### 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	17	3.76	0.35
120	3.00	11	2.51	0.24

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