



# RUBBERROCK

## SUPERIOR ROOF WATERPROOFING

RubberRock RubberGRADE L-400® is a high viscosity bituminous emulsion modified with elastomeric polymers to provide excellent waterproofing properties for sealant and caulking applications. RubberRock RubberGRADE L-400® seals are flexible, have excellent adhesion and are resistant to chemical and UV degradation.

RubberGRADE L-400® seals fixtures, cracks, roof and wall penetration to prevent leakage. The high viscosity and elastic properties of Rubber Rock RubberGRADE L-400® makes it ideal to seal small cracks, and reinforce horizontal to vertical transitions.

RubberGRADE L-400® is a water based, environmentally safe alternative to conventional hot applied or solvent based waterproofing systems. RubberGRADE L-400® does not degrade in the presence of acids, alkalis and waterborne salts and is resistant to biological deterioration.

- FREE OF FLAMMABLE SOLVENTS
- NON-TOXIC
- NO VOC'S
- LOW ODOUR & WATER BASED

PHYSICAL PROPERTIES (Liquid)	
PROPERTY	TYPICAL RESULTS
Colour	Brown to black
Specific gravity (liquid) g/cm <sup>3</sup>	Approx. 1.0
Odour	None
Volatile Organic Compound	Contains no solvents
Solids Content	65 - 68%
Viscosity, Brookfield (cps)	30,000 - 50,000
pH	10 - 12

PERFORMANCE DATA (Cured membrane)	
PROPERTY	TYPICAL RESULTS
Colour	Black
Specific gravity, g/cm <sup>3</sup>	Approx. 1.0
Chemical resistance ASTM G 20	Resists salt water and most inorganic solutions
Accelerated Weathering (Xenon arc)	No deterioration of the film,
ASTM G 155, 250 hrs	>90% retention of original tensile strength
Tensile Strength ASTM D 412, Kpa (psi)	>830 (>120)
Elongation, %	>500%
Recovery ASTM D 412, %	>90%
Adhesion to concrete DeFelsco, kPa (psi)	>900 (>130), cohesive failure
Low temperature mandrel -10°C	Passed
Hardness, Durometer 00	90 - 95
Hardness, Shore A	45 - 50
Hardness, Shore D	8 - 10
Hardness, Shore D	3 - 4

COVERAGE				
Cured Membrane		Coverage		
Mils	mm	ft <sup>2</sup> /gal	ft <sup>2</sup> /litre	m <sup>2</sup> /litre
40	1.00	30	7.93	0.74
80	2.00	15	3.96	0.37
120	3.00	10	2.64	0.24

### APPLICATION

RubberGRADE L-400® is a single component product applied using a trowel.

RubberRock RubberGRADE L-400® 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 5°C, or if rain is expected within 24 hours of application. With joints or larger cracks in the surface a geo-textile reinforcing layer is recommended.

RubberGRADE L-400® is applied between 0.3-0.7 m<sup>2</sup>/litre depending on the required membrane thickness. Typically RubberGRADE L-400® will dry to the touch in one minute and fully cures within 24 hours at 20°C (70°F) and 50% relative humidity, when applied at a thickness of 40 mils (1mm). The curing time may vary depending on temperature and relative humidity.

### LIMITATIONS

RubberRock RubberGRADE L-400® should not be applied when the ambient temperature is below 5°C. The uncured membrane may be damaged if frozen and should not be applied to wet or frozen surfaces or directly prior to rain. Some surface base coat materials such as coal tar are unsuitable for use with RubberGRADE L-400® Please consult technical service with any questions.

### CAUTION

For industrial use only. Keep out of reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using RubberGRADE L-400®

RubberRock RubberGRADE L-400® is mildly alkaline. When applying this product observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment.

TECHNICAL SERVICE  
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