

# Liquid Rubber®

## VoxLar®

A TROWEL GRADE SEALANT AND PATCHING COMPOUND

Liquid Rubber Voxlar® is a high viscosity bituminous emulsion enhanced with elastomeric polymers to provide excellent waterproofing properties for sealant and caulking applications. Liquid Rubber Voxlar® seals are flexible, have excellent adhesion and are resistant to chemical and UV degradation.

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

Liquid Rubber Voxlar® is a water based, environmentally safe alternative to conventional hot applied or solvent based waterproofing systems. Liquid Rubber Voxlar® 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	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

Liquid Rubber Voxlar® is a single component product applied using a trowel or squeegee.

Liquid Rubber Voxlar® 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.

Liquid Rubber Voxlar® is to be applied between 0.3-0.7 m<sup>2</sup>/litre depending on the required membrane thickness. Typically Liquid Rubber Voxlar® will dry to the touch in one minute and is completely cured within 48 hrs. The product 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

Liquid Rubber Voxlar® 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 Liquid Rubber Voxlar®. 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 Liquid Rubber Voxlar®.

Liquid Rubber Voxlar® 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 MSDS.

### TECHNICAL SERVICE

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