

## PRODUCT DATA SHEET

# LIQUID RUBBER ZAVLAR™

Liquid Rubber Zavlar™ is a modified elastomeric asphalt emulsion specifically formulated to be applied by brush, squeegee or specially designed spray equipment. Liquid Rubber Zavlar™ is a cold applied single component product designed for a wide range of protective coating applications. The product technology employed in Liquid Rubber Zavlar™ provides a solvent-free, quick setting coating that yields a membrane with excellent strength, elasticity and adhesion.

Liquid Rubber Zavlar™ is an environmentally friendly waterproofing product which can be applied indoors and outdoors with no special protective equipment.

\* Free of flammable solvents \* Non-toxic \* Odourless and Water based

### PHYSICAL PROPERTIES

Property	Typical results
Specific gravity (liquid) g/cm <sup>3</sup>	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	53-58
Viscosity, Brookfield, sp.#5, 20 rpm	8000-9000
pH	10-12

### PERFORMANCE (cured membrane)

Property	Typical results
Colour	Black
Specific gravity, g/cm <sup>3</sup>	Approximately 1.0
Chemical resistance	Resistant to most inorganic solutions. Not recommended for gasoline or other petroleum products. Consult Chemical Resistance chart for further information.
Biological resistance ASTM E 154, ASTM D412	Passed (> 90% original value)
Impact resistance CSB 37-GP-56 @ 23°C, in-lbs	Passed (168)
Water tightness after impact	Passed (no leakage)
Tensile strength ASTM D412, psi	90
Elongation, %	850
Accelerated weathering, ASTM G 155, D 412	Passed (No deterioration of film)
Tensile strength	Passed (> 90% original value)
Hardness, Durometer Type 00	85-87

### USES

Liquid Rubber Zavlar™ is used as a protective coating to prevent water and corrosion damage. Liquid Rubber Zavlar™ can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. It may also be applied to concrete structures, slabs and parking decks. The high viscosity of Liquid Rubber Zavlar™ allows it to be used to cover small cracks, or to coat vertical surfaces.

## **APPLICATION**

Liquid Rubber Zavlar™ is water based environmentally safe alternative to conventional hot-applied or solvent based waterproofing systems. When cured it will form a seamless flexible membrane.

Liquid Rubber Zavlar™ is a single component product that may be applied using a brush, roller or squeegee. It may also be spray applied using a specially designed spray system. Since Liquid Rubber Zavlar™ cures by evaporation, an application temperature of 15-20°C is recommended. Apply in thin coats. The product fully cures within 24 hours at 20°C (70°F) and 50% relative humidity, when applied at a thickness of 40 mils (1 mm).

Liquid Rubber Zavlar™ should be applied to a dry surface which is free of dirt, debris, oil or grease. Application is not recommended if heavy rains are imminent, or in high humidity environments. For best results apply in thin coats. With joints or cracks in the surface a fabric reinforcing layer may be recommended. See application manual or consult with your Liquid Rubber Engineered Coatings representative for further details.

Liquid Rubber Zavlar™ is applied between 0.3-0.7 m<sup>2</sup>/litre (15-30 ft<sup>2</sup>/gal) to produce a 40-120 mil (1-3 mm) protective membrane. Typically Liquid Rubber Zavlar™ dries to the touch in one minute @20°C and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity.

## **LIMITATIONS**

Liquid Rubber Zavlar™ is mildly alkaline. When applying this product observe appropriate safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

Liquid Rubber Zavlar™ should not be applied when the ambient temperature is below 15°C. The uncured membrane may be damaged if frozen. Do not apply to wet surfaces or directly before a rain. Some surface base coat materials such as coal tar are unsuitable for use with Liquid Rubber Zavlar™.

## **CAUTION**

For industrial use only. Keep out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using Liquid Rubber Zavlar™.

## **TECHNICAL SERVICE**

Call toll free: 1-888 901-7623

## ***THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.***

Liquid Rubber Zavlar™ is manufactured exclusively by Liquid Rubber Engineered Coatings, A division of Liquid Rubber Industries Inc., 89 Scollard St., Toronto, ON, M5R 1G4 Canada

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