

# Liquid Rubber

## PRODUCT DATA SHEET

### LIQUID RUBBER SPRAY GRADE™

Spray Grade™ is a modified elastomeric asphalt emulsion specifically formulated as a spray applied roof coating. Spray Grade™ is part of a dual component system that is applied using a specifically designed spray applicator. The technology advances in Spray Grade™ give a quick setting coating membrane that is solvent-free and has excellent strength, elasticity and adhesion.

*\* Free of flammable solvents \* Non-toxic \* Safe, Odorless Water-based*

#### PHYSICAL PROPERTIES

Property	Typical results
Specific gravity (liquid) kg/m <sup>3</sup>	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	53-58
Viscosity, SSF @ 25°C, seconds	15-20
pH	10-12

#### PERFORMANCE (cured membrane)

Property	Typical results
Colour	Black
Specific gravity, kg/m <sup>3</sup>	Approximately 1.0
Chemical resistance	Resists most inorganic solutions. Not recommended for petroleum products. See Chemical Resistance chart for further data.
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
Adhesion to Concrete Strength, ASTM C 907 (amended to tensile adhesion), psi	111
Puncture resistance CGSB 37-GP-56, 24 hr @ 29N, -5°C	Passed (No perforations)
Accelerated weathering, ASTM G 155, D 412	Passed (No deterioration of film)
Tensile strength	Passed (> 90% original value)
Hardness, Durometer Type 00	85-87
Underwriters Laboratories	Class A Fire Rating (call for details)

## USES

Spray Grade™ is used as a waterproofing membrane for roof protection. Spray Grade™ can be applied over a wide range of substrates including existing BUR, polyethylene, membranes and shingles.

## APPLICATION

Spray Grade™ is applied as a dual component system using a specially designed spray system. Both components of this system are water based and environmentally friendly. Applied at ambient temperature (above 5°C) Spray Grade™ sets almost instantly, forming a seamless flexible membrane.

Spray Grade™ is a safe alternative to conventional hot-applied or solvent based roofing systems.

Spray Grade™ should be applied to a dry surface which is free of dirt, debris, oil or grease. The product sets up rapidly, however it is not recommended to apply any roofing product if heavy rains are imminent. For best results apply in thin coats. With joints or cracks in the surface it is recommended that fabric reinforcing be used. In some cases initial 'flood coating' with one component may be recommended. See application manual or consult with your Liquid Rubber representative for further details.

Spray Grade™ is to be applied between 0.3-0.6 m<sup>2</sup>/litre (15-30 ft<sup>2</sup>/gal) to produce a 40 mil protective membrane to 0.175 m<sup>2</sup>/litre (7.5 ft<sup>2</sup>/gal) to produce a 160 mil membrane. Spray Grade™ will be dry to the touch in one minute @20°C and is largely cured within 48 hrs. Final cured properties may, however, not be realized for 28 days.

Typically an applicator can apply 5,000 ft<sup>2</sup> per day. Protection board or insulation may be applied to the membrane surface after an initial set time of 20 minutes.

## LIMITATIONS

Spray Grade™ 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.

Spray Grade™ should not be applied when the ambient temperature is below 5°C. The uncured membrane may be damaged if frozen. Do not apply to wet or frozen surfaces or directly before a rain.

Some surface base coat materials such as coal tar are unsuitable for use with Spray Grade™. Consult the Liquid Rubber technical services center with any questions.

## CAUTION

For industrial use only. Keep out of the reach of children. **Avoid storage below 5°C.**

## TECHNICAL SERVICE

Call toll free: 1-866-979-0300

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

*Spray Grade™* is manufactured by Liquid Rubber Industries Inc.

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