

PRODUCT DATA SHEET

LIQUID RUBBER Trowel Grade

Trowel Grade is a modified elastomeric asphalt emulsion specifically formulated as a trowel grade product where a watertight seal is required. It is suitable for use with building fixtures, pipes, walls and roofs. **Trowel Grade** is a single component product that may be cold applied be applied by brush or squeegee. The technology employed in **Trowel Grade** provides a solvent-free, quick setting coating that yields a membrane with excellent strength, elasticity and adhesion.

Trowel Grade 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**

Property	Typical results
Specific gravity (liquid) g/cm ³	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	63-68
Viscosity, Brookfield, sp. #5, 20 rpm	30,000 – 50,000
pH	10 - 12

Performance (Cured Membrane)	Typical results
Colour	Black
Specific gravity, g/cm ³	Approximately 1.0
Chemical resistance	Resistant to most inorganic solutions. Not recommended for gasoline or other petroleum products. Consult Chemical Resistance chart
Tensile strength ASTM D412, Kpa, (psi)	>830 (>120)
Elongation, %	500
Tensile strength	Passed (> 90% original value)
Hardness, Durometer Type 00	85-90
Hardness Shore A	45 - 50
Puncture resistance CGSB 37-GP-56	No perforations
Adhesion to concrete DeFelsco, Kpa	>900

USES

Trowel Grade is used in conjunction with protective coatings to seal fixture, cracks, roof penetrations, pipe pass-through etc. to prevent water, air leaks and corrosion damage. The high viscosity of Trowel Grade allows it to be used to fill crevices or to coat vertical surfaces.

APPLICATION

Trowel Grade is water based environmentally safe alternative to conventional hot-applied or solvent based waterproofing systems. When cured it will form a seamless flexible membrane. Trowel Grade is applied using a trowel or squeegee.

Since Trowel Grade 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).

Trowel Grade 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.

Trowel Grade is applied between 0. 1.6 – 4.8 L/m² for a dry film thickness (dft) of 1mm – 3mm protective membrane. Typically Trowel Grade 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

Trowel Grade 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.

Trowel Grade 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 **Trowel Grade**.

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 **Trowel Grade**.

TECHNICAL SERVICE

Call **Liquid Rubber Manufacturing Pty Ltd** 07 55680544

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.

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