

Liquid Rubber

PRODUCT DATA SHEET

Trowel Grade

Trowel Grade is a modified elastomeric asphalt emulsion specifically formulated 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 yield a membrane with excellent strength, elasticity and adhesion.

Being an environmentally friendly product Trowel Grade 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) kg/m ³	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	63-68
Viscosity, Brookfield, sp.#5, 20 rpm	20,000-30,000
pH	10-12

PERFORMANCE (cured membrane)

Property	Typical results
Colour	Black
Specific gravity, kg/m ³	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.
Tensile strength ASTM D412, psi	50
Elongation, %	100
Accelerated weathering, ASTM G 155, D 412 Tensile strength	Passed (No deterioration of film) Passed (> 90% original value)
Hardness, Durometer Type 00	85-90

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 friendly 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. If time allows, 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). Consult with your Liquid Rubber International representative for further details

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.

Trowel Grade is applied between 0.3-06 m²/litre (15-30 ft²/gal) to produce a 40-120 mil (1-3 mm) protective membrane. Typically, Trowel Grade dries to the touch in one minute @20°C. This curing time may vary depending on temperature and relative humidity.

LIMITATIONS

Trowel 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.

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

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 toll free: 1-866-979-0300

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.

Trowel Grade is manufactured exclusively by Liquid Rubber Industries

Effective: 28-March-06
Replaces: 11-Nov-04
