

PRODUCT DATA SHEET

Liquid Rubber High Build

DESCRIPTION

High Build is a bitumen modified polymer specifically designed for a wide range of protective coating applications. High Build provides unparalleled adhesion while maintaining great flexibility allowing for a resilient waterproof membrane. **High Build** is an eco-friendly product which can be applied indoors and outdoors with no special training required.

Property	Typical results
Specific gravity (liquid) g/cm ³	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	53 - 58
Viscosity, Brookfield, sp. #5, 20 rpm	17000-18000
pH	9 - 11

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
Biological resistance ASTM E 154, ASTM 0412	Passed (> 90% original value)
Impact resistance CSB37 -GP-500 23°C, in-lbs	Passed (168)
Water tightness after impact	Passed (no leakage)
Water tightness CGSB 37-GP-56	Zero leakage
Tensile strength ASTM 0412, psi	90
Elongation, %	850
Accelerated weathering, ASTM G 155, 0 412	Passed (No deterioration of film)
Tensile strength	Passed (> 90% original value)
Hardness, Durometer Type 00	85-87
Salt Fog Corrosion, Steel ASTM D412	1000 hours passing
Surface Corrosion ASTM D610	No Corrosion after 500 hours, 0.03% after 1000 hours
Adhesion to concrete ASTM C907	765 kPa
Hardness ASTM D2246	50 Type A
Puncture resistance CGSB 37-GP-56	No perforations
Water Vapour Transmissions ASTM E96	0.04

BENEFITS

- Solvent Free
- Non-Flammable
- Non-Toxic
- Odourless
- Water based Product

USES

High Build is primarily used as a waterproofing membrane. It is also excellent as an anti-slip product, sound deadening solution and for rust prevention. The high viscosity of **High Build** allows it to be used to cover small cracks, or to coat vertical surfaces.

WATERPROOFING USES

- Waterproofing underground substrates
- Retaining walls
- Garden Beds
- Waterproof patching/filler
- Waterproofing large construction joints (non-expansion joints)
- Joint filling
- Protection of concrete substrates against moisture, salt and chloride attack

SURFACE PREPERATION

Surfaces must be clean, sound, stable and free of: loose foreign material; existing coatings; laitance; release agents; curing compounds and oil/grease residues.

APPLICATION

High Build is a single component product that may be applied using a brush or roller, since **High Build** cures by evaporation, an application temperature of 10-30°C is recommended. Applying in a single thick coat is recommended.

High Build should be applied to a dry, clean surface free of oil or grease. Application is not recommended if heavy rains are imminent, or in high humidity environments. Where there are joints or cracks using a reinforcing layer is recommended.

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

High Build typically dries to the touch in two minutes at 20°C. **High Build** fully dries within 24 hours at 20°C and 50% relative humidity, when applied at a thickness of 1 mm (drying time will increase with a thicker coat) and is completely cured in 48 hrs, this curing time may vary depending on temperature and relative humidity.

CAUTION

High Build application should be avoided when the ambient temperature is below 10°C. This product can be used in harsh climates, however certain precautions must be taken, and further instruction will be required, please contact our technical team for advice.

High Build when uncured may be damaged if frozen. **High Build** may not be compatible with some base products e.g. coal tar.

STORAGE CONDITIONS

High Build should be kept out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using High Build.

SAFETY

High Build is mildly alkaline. When applying this product proper safety precautions should be taken. Eye protection, gloves and other suitable protective equipment should be worn. For further information please consult the product MSDS.

High Build should be kept out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using **High Build**.

TECHNICAL SERVICE

Call All Industry Services **07 5533 2815**

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.

Prepared by: **All Industry Services Pty Ltd**

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