



ADHESIVE ENGINEERING.

ADHESIVE ENGINEERING N.S.W. IS A DIVISION OF CARVERU PTY LIMITED A.C.N. 001 693 509
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L139 MEDIUM VISCOSITY GENERAL PURPOSE EPOXY RESIN

DESCRIPTION:

L139 is a versatile multi - purpose medium viscosity 2 part epoxy resin.
STANDARFD COLOUR. Is pale amber.

PROPERTIES: PART "A" white translucent liquid, use 3 parts by volume or weight
PART "B" Pale amber liquid use 1 part by volume or weight with above.

APPLICATION

Pressure injection of cracks, Grouting of vertical starter bar and studs.
Safety Floors with the addition of non-skid granules.

Dust proofing & Sealing of concrete, Fibre cement wall & floor sheeting.
May be used as a wet to dry concrete adhesive.(**ADHESIVE ENGINEERING L39** is the preferred product).

LAMINATING: Will wet out fibre glass fabrics, fillers may be added as required.
Exhibits very high adhesion to correctly prepared substrates, concrete, timber, ply wood, masonry, Aluminium, steel, brass, P.V.C. and others.

VISCOSITY: Mixed 1.05 Pa.s.

IMPACT RESISTANCE: 1.85 Nm (Gardiner) as a cured mortar. Suitable for damaged concrete floor repairs.

COMPRESSIVE STRENGTHS: 90Mpa unfilled 110Mpa as a mortar fill with 5 parts H.P. quartz sand by volume.

BOND STRENGTH: 20Mpa to steel (in a bond test on concrete, the concrete fails).

TENSILE STRENGTH: 50 Mpa unfilled.

WEIGHT MIXED: 1.1kg / litre.

PACKAGING : Two part Kits of 500c.c , 1 lt., 4 lt. & 20 litre.

COEFFICIENT OF THERMAL EXP: 4 X 10⁻⁵ cm/cm/C. degrees

WATER ABSORPTION: 0.04% (continuous immersion.)

HYDROPHILIC PROPERTIES: Strength of cure unaffected by presence of moisture, bond to concrete is reduced if the capillaries are full of water, best results in dry conditions.

HYGIENIC QUALITY: Inert, monolithic, non-porous,

FUNGUS RESISTANCE: Does not support growth .

TOXICITY CURED: Nil.

RESISTANCE TO THERMAL SHOCK: No delamination or cracking after cyclic test of temperature change from 0 degrees C. to 100 degrees C., 50 cycles.

COMBUSTIBILITY: Ignites at over 600 degrees C.

WEATHERING: Slight darkening and erosion of the surface over 10 years or more due to U.V. attack.

WEAR RESISTANCE: High, suitable in heavy traffic floor areas.

DIELECTRIC CONSTANT: 3.8

SETTING TIME: 3 hours at 25 degrees C.

CURE TIME: at 25 degrees C. , 80 % of ultimate Strength qualities will develop in 24 hours from installation . Full cure 7 days at 25 degrees C.

CLEAN UP TOOL & EQUIPMENT:

Use **ADHESIVE ENGINEERING** Tool Cleaning Solvent (**T.C.S.**)

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L139 was first manufactured. 1980 by **ADHESIVE ENGINEERING** NSW
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For technical service ring our office 7am to 5 pm Mon to Fri.

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