

TECHNIGLUE CA

ATL Composites Pty Ltd

PO Box 2349 SOUTHPORT QLD 4215 Ph: 07 5563 1222 Fax: 07 5563 1585

TECHNIGLUE CA is a two component solvent free epoxy adhesive formulated to cure at room temperature to produce high strength waterproof bonds.

The **TECHNIGLUE CA** adhesive is particularly suitable for bonding structural elements fabricated from concrete, timber and metal (ferrous and non-ferrous).

Three **TECHNIGLUE CA** hardeners are available with different curing rates. This enables the working time to be adjusted according to the job size and working temperature.

PROPERTIES OF TECHNIGLUE CA

Uncured Properties

TECHNIGLUE CA Resin (R60)

Physical State	White thixotropic gel
Viscosity @ 25°C	250,000 – 350,000 mPa
Specific Gravity @ 25°C	1.06
Flash Point	105°C

TECHNIGLUE CA Hardener – Fast (H60F)

Physical State	Amber thixotropic gel
Viscosity @ 25°C	150,000 – 250,000 mPa
Specific Gravity @ 25°C	0.998
Flash Point	110°C

TECHNIGLUE CA Hardener – Slow (H60S)

Physical State	Amber Thixotropic gel
Viscosity @ 25°C	150,000 – 250,000 mPa
Specific Gravity @ 25°C	0.998
Flash Point	110°C

TECHNIGLUE CA Hardener – Super Slow (H60SS)

Physical State	Amber Thixotropic gel
Viscosity @ 25°C	150,000 – 250,000 mPa
Specific Gravity @ 25°C	0.998
Flash Point	110°C

Cure Characteristics

TECHNIGLUE CA HARDENER – FAST (H60F)

Pot Life (@ 25°C – 100gms)	12 minutes
Cure Schedule (@ 25°C)	8 hours

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TECHNIGLUE CA HARDENER – SLOW (H60S)

Pot Life (@ 25°C – 100gms)	30 minutes
Cure Schedule (@ 25°C)	12 hours

TECHNIGLUE CA HARDENER – SUPER SLOW (H60SS)

Pot Life (@ 25°C – 100gms)	50 minutes
Cure Schedule (@ 25°C – 100gms)	16 hours

Cured Properties of TECHNIGLUE CA

Property	Value	
Tensile Strength	25 – 30Mpa	3.6 – 4.4 ksl
Tensile Bond Strength	10 – 12Mpa	1.5 – 1.7 ksl
Compressive Strength	60 – 80Mpa	8.7 – 11.6 ksl
Flexural Strength	20 – 25Mpa	2.9 – 3.6 ksl

RECOMMENDED MIXTURES

1 part TECHNIGLUE CA hardener to 2 parts TECHNIGLUE CA resin (by volume).

Note: great care should be taken when dispensing and mixing. Do not alter the above ratios.

It is easier to judge the proportions by placing three equal quantities side by side (two of resin and one of hardener). Take care to assure that the components are thoroughly mixed to uniform colour before applying.

PREPARATION

Before mixing TECHNIGLUE CA, concrete surfaces should be wire brushed to remove laitance: wood and metal surfaces should be abraded to provide a good key: all surfaces should then be cleaned to remove any oil and dust contamination.

APPLICATION

Sufficient TECHNIGLUE CA should be applied (to both of the surfaces) to assure intimate contact between the bonding surfaces. Excessive clamping pressures should be avoided. TECHNIGLUE CA requires only sufficient pressure to stop the bonded components from moving during the curing process.

Depending on porosity on surface roughness, one litre of mixed TECHNIGLUE CA will cover approximately three (3) square metres.

CLEAN UP

Equipment contaminated with uncured TECHNIGLUE CA resin and hardener mix can be cleaned up with warm water.

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PACKAGING

This product is available in the following pack sizes:

TECHNIGLUE CA Epoxy 750ml pack	500ml Resin (R60) 250ml Hardener – Fast (H60F) 250ml Hardener – Slow (H60S)
TECHNIGLUE CA Epoxy 1.5ltr pack	1ltr Resin (R60) 500ml Hardener – Fast (H60F) 500ml Hardener – Slow (H60S)
TECHNIGLUE CA Epoxy 6ltr pack	4ltr Resin (R60) 2ltr Hardener – Fast (H60F) 2ltr Hardener – Slow (H60S)
TECHNIGLUE CA Epoxy 30ltr pack	20ltr Resin (R60) 10ltr Hardener – Fast (H60F) 10ltr Hardener – Slow (H60S) 10ltr Hardener – Super Slow (H60SS)

HEALTH AND SAFETY

Avoid contact with the skin and eyes by wearing protective gloves, clothing and eye wear when dispensing, mixing and using.

- If skin contact occurs, remove contaminated clothing and wash skin with warm water and ATL Composites' 845 Skin Cleaner. If discomfort persists seek medical attention.
- If eye contact occurs, hold open and flood with water for at least 15 (fifteen) minutes and seek medical advice.
- If swallowed, do not induce vomiting, give plenty of milk and contact a doctor or the Poisons Information Centre.

Supplied By: Fibreglass & Resin Sales Pty Ltd
A.C.N. 053 958 731
111 Kew St WELSHPOOL WA 6106
Ph: 08 9470 2571 Fax: 08 9361 9243

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