

# ADHESIVES

TOUGHENED EPOXY ADHESIVE

# techniglue® R60

SYSTEM TYPE: CARTRIDGE

TECHNIGLUE R60 is a solvent free, epoxy resin, specifically formulated for use with TECHNIGLUE H60 fast hardener in cartridge packs, to cure at room temperature, and produce high-strength, waterproof bonds. The thixotropic nature of the adhesive provides good gap filling and hold-up, on vertical surfaces.

The TECHNIGLUE R60 cartridge pack eliminates the guess work of achieving the correct mix ratio of 2:1 by volume, saving time and labour. The cartridge pack is lightweight and comfortable to hold, and includes a mixing head.

TECHNIGLUE R60 is suitable for bonding structural elements fabricated from wood, concrete, fibreglass, stone & marble, pottery, metal (ferrous and nonferrous) and some plastics.

### MIX RATIO

1 part hardener to 2 parts resin by volume.

TECHNIGLUE R60 cartridge pack consists of 2 plastic cylinders. One contains resin, which is coloured blue, and the other contains the hardener, which is yellow. When dispensed correctly, the final colour is green.

A screw top cap at the end of the tube, can be re-capped if not all the TECHNIGLUE R60 is required at once.

New static mixing heads require priming to ensure the resin and hardener is thoroughly mixed together prior to application. To prime, dispense a test bead line on a disposable substrate. When a consistent green colour is achieved, the adhesive can be applied to the part.

UNCURED PROPERTIES		
	R60	R60F Fast
Physical State	Blue Thixotropic Gel	Yellow Thixotropic Gel
Specific Gravity	g/ml@ 25°C	0.97

  

CURED CHARACTERISTICS		
		H60F Fast
Pot Life	@ 25°C - 100g (in Air)	15 Minutes
Cured to a Solid State	@ 25°C	8 Hours
Mix viscosity mPas	@ 25°C	280,000
Shore D Hardness	@ 1 day	80
	@ 2 weeks	82
HDT	After 24 hours @ 25°C	41°C
	And 16 hours @ 50°C	61°C
	And 3 hours @ 100°C	68°C

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## APPLICATION

The surfaces to be bonded should be dry and free from any contaminants such as oil or dust. Fibreglass, timber, painted, or metal surfaces should be thoroughly sanded to provide a good key. Concrete surfaces should be wire brushed to remove Latinate.

Apply sufficient mixed epoxy to one or both of the surfaces to assure intimate contact between the bonding surfaces. Excessive clamping pressures should be avoided. Components need only be held firmly to avoid movement during the curing process.

## COVERAGE

Depending on porosity and surface roughness, one litre of mixed TECHNIGLUE R60/H60 will cover approximately three square metres.

## CLEAN UP

Uncured TECHNIGLUE R60 resin and H60 hardener mix can be cleaned up with warm water.

Mixing heads, containing uncured TECHNIGLUE, can easily be washed out in warm water and re-used at a later date.

PACK SIZES				
Order Code		Order Code		PACK
RESIN		HARDENER		
RA60 Cartridge	300 ml	HA60 Cartridge	150 ml	750 ml

## ASSOCIATED EQUIPMENT

- **KA60MIX** - Extra mixing head
- **KA60GUN** - Manual mixing gun

## STORAGE

TECHNIGLUE R60 resin and H60 hardeners will keep for 2 years, if kept in original containers at room temperature (15°C to 32°C), and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

## HEALTH AND SAFETY

TECHNIGLUE R60 resin and R60 hardener have moderate sensitising potential, and should be kept out of the eyes and off the skin.

- Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.
- If skin contact occurs, remove contaminated clothing immediately, and wash the affected area thoroughly with water, avoiding the use of solvents except in the case of massive contamination.
- If eye contact occurs, immediately flush with running water for at least 15 (fifteen) minutes and seek medical advice.
- If swallowed:

**Resins** - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.

**Hardeners** - DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.

NOTE: Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages.