

G/flex® 650 resin is a toughened, versatile, liquid epoxy, formulated for use with G/flex 650 hardener, which will cure at room temperature for permanent waterproof bonding of fiberglass, ceramics, metals, plastics, damp and difficult-to-bond woods. With a modulus of elasticity of 1075 MPa, it is a bit more flexible than standard epoxies and polyester, but much stiffer than adhesive sealants.

G/flex has the ability to make structural bonds that can absorb the stress of expansion, contraction, shock and vibration, and it is ideal for bonding dissimilar materials.

It can be modified with WEST SYSTEM fillers and additives, and can also be used to wet-out fibreglass reinforcements.

MIX RATIO

1 part hardener to 1 part resin by volume

Note: Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio. Contact ATL Composites for specific information.

TYPICAL CURED RESIN MECHANICAL PROPERTIES

Test Method*- neat cast sample

Tensile Strength ASTM D-638	24 MPa
Tensile Elongation ASTM D-638	32.7%
Tensile Modulus ASTM D-638	993 MPa
Flexural Strength ASTM D-790	36 MPa
Flexural Modulus ASTM D-790	1075 MPa

* Typical values; not to be construed as specification. Room temperature for two weeks.

The test results shown were conducted using procedures dictated by ASTM (American Society for Testing and Materials) test methods. These ASTM test procedures are very specific and help foster objective and consistent test data.

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. 12/03/13

STORAGE

G/flex® 650 resin and hardener 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

G/flex® 650 resin and 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.