

Technical Data Sheet

ADTECH® 9005 TOUGHENED EPOXY



ADTECH® 9005 IS A TWO COMPONENT STRUCTURAL EPOXY ADHESIVE, WHICH CURES AT ROOM TEMPERATURE TO FORM A TOUGH, RIGID THERMOSET POLYMER.

ADTECH® 9005 PROVIDES PERMANENT BONDS TO METALS, CERAMICS, FIBREGLASS, MOST PLASTICS AND RUBBERS.

Adtech® 9005 provides excellent bonds to metals, most plastics, glass, ceramics, stone and concrete. Typical applications include repairs to metal castings, manufacture of thermocouples, bonding metal components, potting electronic components and bonding plastic trim.

BENEFITS

- Fast cure
- High strength
- High impact resistance
- Bonds many substrates
- Transparent

AVAILABLE COLOURS

Transparent

TECHNICAL DATA

Brookfield viscosity (Part A):	8000-10000 mPas
Brookfield viscosity (Part B):	10000-16000 mPas
Working time:	>3 minutes at 20°C
Handling strength:	4 - 6 minutes at 20°C
Temperature resistance:	-20°C to 120°C
Tensile strength:	75N/mm ²
Break strength:	66N/mm ²
Flexural strength:	110N/mm ²

AVAILABLE SIZES

Cartridge	25ml
Cartridge	50ml
Cartridge	200ml

PREPARATION AND APPLICATION

Ensure that the surfaces to be bonded are smooth, clean and free from dust or other deposits. Carry out surface preparation where required.

Remove the cap from the cartridge and attach the mixer nozzle provided. Insert the cartridge into the applicator, and dispense sufficient adhesive to ensure equal coverage on the substrate to be bonded. Apply adhesive to one surface and assemble components carefully. Clamp if required. Allow the adhesive sufficient time to reach handling strength before moving or unclamping the components.

HANDLING AND STORAGE

It is always easier to remove any excess adhesive prior to curing using a suitable cleaner.

Use with proper ventilation.

Avoid contact with skin and eyes.

If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately.

Keep well out of reach of children.

Adtech® 9005 should be stored in the original containers in a cool, dry place, at a temperature range of between 5°C and 25°C. In these conditions it has a storage life of at least 12 months

DISCLAIMER: Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers/end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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