

Technical Data Sheet

ADTECH® 9300 TOUGHENED ACRYLIC ADHESIVE



ADTECH® 9300 IS A TWO COMPONENT STRUCTURAL METHACRYLATE ADHESIVE, DESIGNED FOR THE BONDING OF HIGH STRENGTH METAL AND COMPOSITE APPLICATIONS.

ADTECH® 9300 HAS BEEN FORMULATED FROM INNOVATIVE TECHNOLOGY, WHICH ENABLES ADTECH® 9300 TO ACHIEVE THE ULTIMATE BALANCE OF MECHANICAL STRENGTH AND IMPACT RESISTANCE WHILST STILL REMAINING BOTH SIMPLE AND QUICK TO USE.

Adtech® 9300 is very versatile, and can bond a wide variety of substrates without the need for surface primers or conditioners. Typical applications include bonding of metal fasteners into composite parts, bonding of large GRP structures and bonding of dissimilar metals in fabrication applications.

BENEFITS

- Fast cure
- High strength
- High impact resistance
- Bonds GRP structures
- Bonds dissimilar metals

AVAILABLE COLOURS

Neutral

TECHNICAL DATA

Brookfield viscosity:	120000 - 150000 mPAs
Open time:	7 minutes at 20°C
Handling strength:	12 minutes at 20°C
Temperature resistance:	-55°C to 120°C
Typical strength:	30N/mm ² (ASTM D1002 Lap Shear)
Typical strength:	30N/mm ² (ASTM D638, tensile)
Gap fill:	5mm

AVAILABLE SIZES

Twin cartridge	50ml
Twin cartridge	400ml

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® 9300 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.

Revision date: August 2020

