

TECHNICAL DATA SHEET

Emission date: 01-06-2011
Revision date: 09-09-2015



Q-BOND

Ref: QB2; QB3

DESCRIPTION

Ultra strong adhesive with reinforcing and filling powders. Apply to practically all materials, for a fast and durable repair.

Q-Bond consists of a two-component system – adhesive plus filling and reinforcing powders – that, when combined, have unique and insurmountable adhesive, filling and reinforcing capabilities, repairing broken parts, holes, fissures in a wide variety of substrates quickly and economically.

The system is based in the combination of three different components:

- cyanoacrylate based adhesive
- black particles granulate
- grey particles granulate

APPLICATION INSTRUCTIONS

The areas to be repaired must be clean and dry.

To repair pieces of rubber and neoprene, use the cyanoacrylate based adhesive only. Apply a few drops to one of the surfaces, press the surfaces to be glued together, exert pressure and wait 8 seconds.

To glue and repair plastic pieces (holes or fissures), apply a small amount of black particle granulate to the area, and then add some drops of the cyanoacrylate based adhesive. Wait 3 seconds. Repeat these steps until the necessary filling effect is achieved. Small amounts of adhesive + granulate must be applied each time, otherwise the product will not fully polymerize.

When gluing separate pieces, it is advisable to create a chamber in both surfaces before applying Q-Bond.

For the repair of metal parts, follow the same procedure but use the grey particles granulate.

The treated surfaces may be, if necessary, immediately sanded and painted.

APPLICATION

Ideal for repairing and gluing metal, plastic, rubber, carbon fiber, composite materials and wood.

Important: Q-Bond does not bond to PE and flexible PP plastics. Q-Bond does not bond correctly to Teflon and stainless steel.

For 22°C, relative humidity 50% ASTM D1002, tensile strength 0,1% N/mm²:

Plastic: 5-10 seconds

Rubber: 5-10 seconds

Metal: 10-15 seconds

Wood: 8-10 seconds

TECHNICAL PROPERTIES

Main component:	ethyl cyanoacrylate
Appearance:	colourless liquid (glue), black or grey powder (granulate)
Density (23°C):	1,08 g/ml (glue)
Viscosity (25°C):	2-3 CPS (glue)
Operating temperature:	-50°C a +180°C, when mixed with the granulates

CURED ADHESIVE

Resistance to chemicals:	oil, fuels, water, battery acid and all fluids that exist in automobiles and hydraulic circuits
Tightness of the repair:	Total, no leakage

TECHNICAL DATA SHEET

Emission date: 01-06-2011
Revision date: 09-09-2015



Limit pressure (6mm hole):	50 bar
Gap filling:	0,04 mm
Tensile strength:	24-32 N/mm ²
Tensile shear strength:	14-22 N/mm ²

PACKAGING

Q-Bond Professional Kit:	6x10 ml adhesive + 1x grey granulate + 2x black granulate
Q-Bond Mini-Kit:	2x10 ml adhesive + 1 x grey granulate + 1x black granulate

SHELF-LIFE

24 months in unopened package, provided the package is kept away from heat and sunlight.