

DATASHEET

Issue date: 2011-06-01
Review date: 2014-12-05 REV02



Q-BOND

Ref: QB0001; QB0002

DESCRIPTION

Glue with reinforcing and filling particles. For fast, ultra-strong bonding and repairs to virtually all types of materials.

FEATURES

Q-Bond consists of a two-component system – glue and reinforcing and filling particles – which, in combination, provide unique and unsurpassed bonding, filling and reinforcing properties of broken parts, holes and cracks in various types of substrates (rubber, plastic, except PE and flexible PP, carbon fiber, fiberglass, wood, aluminum, magnesium, copper) extremely quickly and economically.

It is based on the use of three different products:

- glue based on a cyanoacrylate
- granulated compost with black particles
- granulated compost with gray particles

HOW TO USE

The areas to be glued and repaired must be clean and dry.

For gluing rubber and neoprene parts, use only cyanoacrylate glue. Apply a few drops only on a surface, apply some pressure and wait 8 seconds.

For gluing and repairing plastic parts (holes, cracks), apply a small layer of black compound and then cyanoacrylate glue. Wait 3 seconds. Repeat the operation as many times as necessary until it exceeds the surface plane of the part. For bonding and repairing metals, use the same procedure with the gray powder.

The reason why it applies **Q-Bond** in small layers is related to the fact that the product has to be completely polymerized, something difficult to achieve if the layer is too thick. When gluing separate pieces, it is convenient to make a chamfer on both surfaces to be joined, before proceeding with the application of **Q-Bond**. Surfaces repaired and treated with **Q-Bond** can be immediately sanded and painted.

APPLICATION

Ideal for bonding plastic, metal, rubber.

For 22°C, relative humidity 50% ASTM D1002, tensile strength 0.1% N/mm^{two}:

- Plastic: 5-10 seconds
- Rubber: 5-10 seconds
- Metal: 10-15 seconds
- Wood: 8-10 seconds

TECHNICAL SPECIFICATIONS

- Color: colorless (glue), black or gray (granules)
- Density (23°C): 1.07 g/ml (glue)
- Operating Temperature: from -50°C to +180°C, when mixed with granules

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Chemical resistance: oil, fuel, water, battery acid and all fluids in automobiles and hydraulic circuits.

Repair watertightness: Limit total
pressure (6mm holes): 50 bar

Identifiable risks: R 36/37/38: Irritating to eyes, respiratory system and skin

Fire extinguishing: all media

PRECAUTIONS

See Safety Data Sheet.

PACKING

Q-Bond Professional Kit: 6x10 ml glue + 1x gray granules + 2x black granules

Q-Bond Mini-Kit: 2x10 ml glue + 1 x gray granules + 1x black granules

EXPIRATION DATE

2 years after production if stored under suitable conditions. See Safety Data Sheet.