

Technical Data Sheet: Q-Bond Repair Kit

PRODUCT NAME AND CODE

Q-Bond Small Repair Kit
 Code: QB2



PRODUCT DESCRIPTION

Q-Bond small repair kit is an ultra-strong adhesive. It comes in a kit with four components: two identical adhesives, one grey and one black reinforcing powder. Inside the kit is an instruction manual in multiple languages and two red pins to pierce the seal of the adhesives. This repair kit has a high variety of applications, but is generally used to repair rubber, plastic and metal.

UNCURED PRODUCT PROPERTIES

Properties	Adhesive	Black Powder	Grey Powder
Chemical Type	Ethyl Cyanoacrylate	The product consists of metal oxide pigments and salts	The product consists of metal oxide pigments and salts
Chemical Nature	Liquid	Dry powder mixture	Dry powder mixture
Colour	Clear & Transparent	Black	Light Grey
Viscosity (CPS)	2-3	N.A.	N.A.
Odour	Sharp, irritating	None	None
Flash point	>82°C	N.A.	N.A.
Specific Gravity	1.05	3.4	3.4
Shelf Live	12 Months	Not known to expire	Not known to expire

SURFACE PREPARATIONS & APPLICATION INSTRUCTIONS

Clean the area to be repaired thoroughly and make sure that it is completely dry before applying the adhesive. If painted, remove the paint before applying. To increase the bonding potential when using the reinforcing powders, roughen up the area with a file or sandpaper for a better hold onto the surface. When using the adhesive on its own do not damage the broken joint area so that it fits perfectly back into place.

Adhesive Only

: Pierce the seal of the adhesive with the red pin. Apply adhesive on one side only, join the two broken parts and press firmly into place. Hold for 10 seconds. Avoid spilling adhesive on fingers.

Powder and Adhesive

: Apply powder to area to be repaired and saturate with enough adhesive to cover all the powder. Apply this process in layers if a lot of powder is required. When filling a gap, place tape underneath the gap, fill with powder and drop enough adhesive to penetrate the powder. Apply this in layers to ensure the best bond.



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CURING TIME

Average curing time: 10 seconds.

COMMON APPLICATIONS

The adhesive can be used on its own or in combination with the reinforcing powders. The adhesive alone works on clean broken off objects. The powders can be used to reinforce a broken part in conjunction with the adhesive or fill a gap or crack in conjunction with the adhesive.

Examples of applications

Adhesive Only

: Metal, Plastic, Rubber and Ceramic

Black Powder and Adhesive

: Hard Plastics, Remote Controls Lugs/Clips, Tabs, Motorcycle Fairings, Bumpers, Radiators, Distributor Caps and many more.

Grey Powder and Adhesive

: Metal Surfaces, Motorcycle Casings, Carburetors, Aluminium, Office Equipment and many more.

KEY FEATURES AFTER CURED

Features	Adhesive Only	Black powder & Adhesive	Grey Powder & Adhesive
Gap Fill (mm)	0.04	Designed for filling	Designed for filling
Tensile-Shear Strength (kgf/cm ²)	120 ~ 200	Still to be tested	Still to be tested
Pressure Limit (Bar)	Still to be tested	90	90
Temperature Range (°C)	-55 ~ 82	-55 ~ 180	-55 ~ 180
Resistance to Water, Oil, Diesel, Petrol	Still to be tested	Yes to all	Yes to all

LIMITATIONS

- Q-Bond does not stick to Polypropylene (PP); Polyethylene (PE) and Stainless Steel.
- The adhesive on its own may vary with regards to curing time on the different hard surfaces. For instances on ABS plastic it may cure in seconds, but on metal it may take up to 30 min.

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STORAGE

- Keep in a cool dry place.
- Keep out of direct sunlight.
- After opening the adhesive, store it by wiping off all excess glue from the nozzle and insert the red pin that is provided. Store in upright position.

WARNINGS



CYANOACRYLATE. DANGER. BONDS SKIN AND EYES IN SECONDS. KEEP OUT OF REACH OF CHILDREN. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. AVOID BREATHING VAPOURS. IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.