

CLEAN

PEEL

PATCH

Quick Patch is a fiberglass reinforced polyester

This pliable, UV curing material may be perhaps the most versatile easy-to-use repair material in the world, with hundreds of uses.



TECHNICAL DATA

Appearance	Sheet Laminate
Mix Ratio	One Component / No Mixing
Flash Point	450° C (840° F)
Material Thickness	1.7 - 1.9mm
Curing Mechanism	Ultra Violet (UV) (Natural or UV Lamp)
Flexural Strength	> 124 MPa (18,000PSI) – (ASTM D790-03)
Flexural Modulus	6,060 MPa (879,060 PSI) – (ASTM D2344)
Tensile Strength	54.95 MPa (7,970 PSI) – (BS 2782-1994)
Elongation At Break	> 3% (BS 2782-1994)
Coefficient Of Thermal Expansion	2.9 10-5 Degree C (BS2782-1995)
Impact Resistance	> 60 Kj/sqm (BS2782-1996)
Hardness	> 60 Barcol (BS2782-1997)
Compression Strength	> 200 MPa (29,000 PSI) – (BS 2728-1998)
Adhesion	> 3.44MPa (500 PSI) – (BS 2782-1998)
Water Vapour Permeability	0.28g/m2/24h/mmHg (ASTM E96)
Fire Rating	Class A (ASTM E84)
Temperature Rating	-40°C to 200°C
Electrical Properties	Dielectric strength: 9KV/mm as per IEC 243. Arc resistance: greater than 180 seconds as per ASTM D495. Tracking resistance: greater than 600 volts as per IEC 112 15,432 lbs/sq. ft. Insulation resistance: 10 to the power of 13 ohms as per IEC 93.

See additional Technical Specifications, FAQs and Current MSDS at www.quickpatch.com.au

FREQUENTLY ASKED QUESTIONS

What is shelf life of unopened package?

♦ 1.5 years.

How long does it take to cure in direct sunlight?

♦ 5 min to 1 hour – depending on level of UV at the time.

How long does it take to cure under UV lighting?

♦ 10 to 30 minutes.

Will it stick to any surface?

♦ Yes, except for polypropylene and some rubbers.

Can patch be cut to any one size?

♦ Yes.

Can patch be returned back to original pouch?

♦ Yes (if not exposed to UV light).

What is the shelf life of opened pouch?

♦ Normal shelf life (if not exposed to UV light).

Is patch chemically inert?

♦ Yes.

Can patch be drilled, sanded or painted?

♦ Yes.

Are UV omitting fixtures available? (more commonly known as black light)

♦ Yes.

Can patch be used on wet surfaces?

♦ Not recommended.

Is preparation of surface required?

♦ Yes, light sanding suggested.

What is the temperature range after cured?

♦ -40°C to 200°C.

What sizes are patches available?

♦ 75mm x 150mm,
150mm x 225mm,
225mm x 300mm.

What is the maximum adhesion force?

♦ 3.44MPa (500 PSI).

Is uncured patch flammable?

♦ No.

Is cured patch flammable?

♦ No.

Is patch adhesive harmful to skin?

♦ No, but it is advisable to wash hands with soap and water after use.

Can multiple layers be applied?

♦ Yes, when additional strength is required. We recommend no more than five layers at one time, letting each layer cure fully before applying next patch.

Is it safe to use in doors and in confined spaces?

♦ Yes – but it is highly recommended that such areas are well ventilated. The product has a strong smell that may irritate the eyes or cause mild nausea in some people when concentrated in a small, unventilated, confined space.

What is the best way to dispose of unwanted product offcuts?

♦ Offcuts should be placed back in the bag (or another plastic bag) and sealed (fold it over or tape it closed) or wrapped in paper before discarding. This just reduces the smell.

IMPORTANT INSTALLATION INSTRUCTIONS AND TIPS.

General comment before you start –

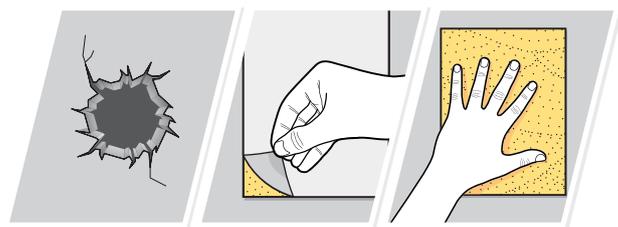
Always remember, any adhesive product – that is a product that sticks to something else – is only as strong as the surface it is applied to. If you stick an item to a painted surface, the bond or adhesion will be to the paint and not to the base material that has been painted. Therefore your bond is only as strong as the force at which the paint is bonded to the base material.

When using Quick patch it is important to remove any paint or other surface treatment (lacquer, plastic film etc.) from the area the patch is to be applied to so as to ensure a strong bond is achieved between the patch and the base material. Generally this requires a light sanding or scarping as part of the preparation.

Patch area recommendations for maximum performance –

The recommended patch size is generally three times the area of the damaged or holed section to be patched. This will provide maximum performance of the patch in line with the performance specifications detailed on our F.A.Q. and Data Sheet.

An example would be – If you have a hole that is to be 'patched over' which has a total area of 100mm your patch should be 300mm in area or greater.



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Consideration needs to be given to the shape of the hole to ensure even spacing around it occurs also. Obviously a roundish hole means you would centre the patch over the hole thus giving an even spread around it. On the other hand a squarish, rectangular or irregular shaped hole may require you to 'go larger with the patch' to ensure the edge distance from corners provides sufficient coverage and adherence surface area.

APPLICATION METHOD – direct sunlight.

- 1 The surface should be cleaned, dry and free of any contaminants. (No oil or water in particular.)
- 2 Remove the patch from its black protective pouch and cut to size required without exposing it to UV/Sunlight.
- 3 Place the unused portion back into the black protective pouch and seal.
- 4 Remove the white backing tape on the patch material to expose the adhesive resin.
- 5 Apply the patch – sticky side down – to the area to be patched and press down firmly all over the patch and especially around the edges.
- 6 Remove the clear/translucent film on the back of the patch and expose it to the sunlight.

N.B. Curing time is totally dependent on the UV intensity at the time of application – from 5 minutes (sunny conditions) through to 50 minutes (overcast).



APPLICATION METHOD – internal or out of direct sunlight.

- 1 Quick Patch is UV light activated so in applications where you are working indoors or in shaded areas out of direct sunlight, it will be necessary to activate the adhesive and curing process using a UV light/torch.
- 2 Simply apply patch as per the instructions above and then, once the clear transparent film is removed, pass the UV light/torch over the patch until it sets.
- 3 This may take a few minutes depending on the strength of the beam in the light/torch.

SAFETY DIRECTIONS

- 1 Do not use in poorly ventilated or confined areas/spaces.
- 2 Avoid breathing the vapours and or dust.
- 3 Avoid contact with the eyes.
- 4 Avoid contact with the skin
- 5 Wear protective gloves when installing.