



# Patch 'n' Bond Aqua

Hand-mixable epoxy putty that provides fast permanent repairs to damp, wet areas and underwater surfaces.



## Features & Benefits

- Ready to mix – no measuring or mixing tools necessary
- Ideal for Marine environment – may be applied underwater
- High consistency – no dripping or running
- Fast curing – functional strength achieved in 1 hour
- Versatile – suitable for interior or exterior use
- High chemical resistance to most industrial liquids

P/N	Product	S/C	Packaging
86695	Patch 'n' Bond Aqua	PNBQ	114 g putty stick in a tube

## Application

Patch 'n' Bond Aqua repairs dents, cracks and holes in decks, hulls, pools, hot tubs, marine equipment, gutters and tanks. After mixing, Patch 'n' Bond Aqua may be applied underwater, either fresh or salt water.

## Instructions

1. First sand then clean surface with KENT Acrysol or KENT Soft Surface Cleaner.
2. Cut off required amount of Patch'n'Bond Aqua.
3. Wear impervious gloves when mixing or handling uncured product. Knead with damp fingers for 1 to 2 minutes until a uniform colour is achieved. If mixing is difficult, warm the epoxy stick to room temperature or slightly above.
4. Apply to surface to be repaired within 2 minutes of mixing. Force into any cracks or holes and strike off excess material, preferably with a tool moistened with clean water.
5. For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins.
6. After 60 minutes, the repair can be drilled, tapped, filed, sanded and painted.

NB: When applying underwater or to a damp or wet area, work the mixed material forcefully into the surface and apply pressure until adhesion begins to take effect. The colder the water, the longer the curing time.



## Technical Information

<b>Base:</b>	Epoxy resin
<b>Consistency:</b>	Putty
<b>Colour:</b>	Off-white (mixed)
<b>Weight:</b>	114 g
<b>Shelf life:</b>	24 months
<b>Custom tariff code:</b>	32149000
<b>VOC:</b>	0 g/l

<b>Cure mechanism:</b>	Cross-linking resin and hardener
<b>Specific gravity:</b>	1.9 g/cm <sup>3</sup>
<b>Hardness:</b>	Shore D 70
<b>Shrinkage:</b>	< 1%
<b>Compressive strength:</b>	55 N/mm <sup>2</sup>
<b>Lap shear strength:</b>	6.2 N/mm <sup>2</sup> on steel 3.5 N/mm <sup>2</sup> on fiberglass
<b>Working time:</b>	2 - 5 minutes
<b>Handling strength achieved:</b>	15 - 20 minutes
<b>Functional strength achieved:</b>	60 minutes
<b>Full strength achieved:</b>	24 hours
<b>Electrical resistance:</b>	30,000 Mega ohms.cm
<b>Dielectric strength:</b>	300 Volts/mil
<b>Temp resistance :</b>	-40° C to +120° C (+150° C intermittent)
<b>Application temp:</b>	+10° C to +25° C

### Chemical Resistance

Sulphuric acid 24% (battery acid):	Very good
Hydrochloric acid 37%:	Very good
Ketones:	Very good
Diesel:	Very good
Petrol:	Very good
Alcohol:	Very good
Glycols:	Very good
Water:	Very good
Salt water:	Very good
Brake fluids:	Very good
Motor Oils:	Very good

Information provided here is for reference only. The bonds tested were under laboratory conditions. Adhesive performance depends upon the specific chemicals tested, substrates bonded, surface preparation and environmental conditions in processing.



SDS available on [www.kent europe.com](http://www.kent europe.com)

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**KENT (United Kingdom) Ltd, Forsyth House, Pitreavie Drive, Pitreavie Business Park, Dunfermline, Fife KY11 8US** Tel : 0800 136925 or 01383 723344 between 08:30-17:30  
Monday-Thursday, 09:00-15:00 on Fridays'. For out of hours queries please Fax us on 01383 735829 or Email: [kentinfo.uk@kent europe.com](mailto:kentinfo.uk@kent europe.com)

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