



Patch 'n' Bond Universal

Hand-mixable epoxy putty that provides fast permanent repairs to many materials.



Features & Benefits

- Universal – a must-have in every toolbox
- Ready to mix – no measuring or mixing tools necessary
- 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
86561	Patch 'n' Bond Universal	PNBU	117 g putty stick in a tube

Application

Patch 'n' Bond Universal is a two part single stick repair epoxy, which can be used to permanently repair dents, scratches, cuts, gouges and holes to ceramics, glass, metals, concrete and wood.

Patch 'n' Bond Universal is a must-have in every toolbox as it is ideal for emergency repairs – rebuilding, reforming missing parts or gaskets, patch leaks and fill cracks.

Instructions

1. First sand then clean surface with KENT Acrysol or KENT Soft Surface Cleaner.
2. Cut off required amount of Patch'n'Bond Universal.
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 to a damp, wet or slowly leaking 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

Base:	Epoxy resin
Consistency:	Putty
Colour:	Off-white (mixed)
Weight:	117 g
Shelf life:	24 months
Custom tariff code:	32149000
VOC:	0 g/l

Cure mechanism:	Cross-linking resin and hardener
Specific gravity:	1.9 g/cm ³
Hardness:	Shore D 75
Shrinkage:	< 1%
Compressive strength:	55 N/mm ²
Lap shear strength:	6.2 N/mm ² on steel
Working time:	2 - 5 minutes
Handling strength achieved:	15 - 20 minutes
Functional strength achieved:	60 minutes
Full strength achieved:	24 hours
Electrical resistance:	30,000 Mega ohms.cm
Dielectric strength:	300 Volts/mil
Temp resistance :	-40° C to +120° C (+150° C intermittent)
Application temp:	+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.



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