



# Patch 'n' Bond Plastic

Hand-mixable non-shrinking epoxy putty that provides fast permanent repairs to most rigid and semi-rigid plastics.



## Features & Benefits

- Ready to mix – no measuring or mixing tools necessary
- Softest epoxy putty – ideal for repairs on semi-rigid and rigid plastics
- 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
86562	Patch 'n' Bond Plastic	PNBP	125 g epoxy stick in a tube

## Application

Patch 'n' Bond Plastic repairs dents, cracks and holes in automotive trims, appliance parts, PVC furniture, vinyl sidings, ABS downspouts and gutters. Adhesion is limited on plastics such as polypropylene and polyethylene. It is recommended to make a 24 hours adhesion test before proceeding with the repair.

## Instructions

1. First sand then clean surface with KENT Acrysol or KENT Soft Surface Cleaner.
2. On hard-to-bond plastics, such as PE and PP, apply KENT Plastic Adhesion Promoter in cross-layers.
3. Cut off required amount of Patch'n'Bond Plastic.
4. 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.
5. 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.
6. 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.
7. After 60 minutes, the repair can be drilled, sawed, carved, sanded, stained or painted. Attention: this could break the adhesion on hard-to-bond plastics.



## Technical Information

<b>Base:</b>	Epoxy resin
<b>Consistency:</b>	Putty
<b>Colour:</b>	Off-white (mixed)
<b>Weight:</b>	125 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>	1.6 g/cm <sup>3</sup>
<b>Hardness:</b>	Shore D 65
<b>Shrinkage:</b>	< 1%
<b>Compressive strength:</b>	55 N/mm <sup>2</sup>
<b>Lap shear strength:</b>	2.5 N/mm <sup>2</sup> on PVC
<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>	30000 Mega ohms
<b>Dielectric strength:</b>	300 Volts/mil
<b>Temp resistance :</b>	-40° C to +120° C (to 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)

#### Terms and Conditions

No part of this publication may be reproduced, transmitted or stored, electronically, mechanically or photocopied without the prior permission of KENT (United Kingdom) Ltd. This data sheet and its contents (the "Information") belong to KENT (United Kingdom) Ltd., or are licensed to it. No license is granted for the use of it other than for information purposes in connection with the products to which it relates. No license of any intellectual property rights is granted.

The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error from or omission in it nor for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including

liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence KENT is the trading name of KENT (United Kingdom) Ltd.

**Registered Office:** Amber House,  
Showground Road, Bridgewater, Somerset, United Kingdom TA6 6AJ  
*All rights reserved*

**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)

Rev: 27/04/18