

## D306 PLASTIC-STICK EPOXY REPAIR PUTTY

### PRODUCT DESCRIPTION

D306 Plastic-Stick Epoxy Repair Putty is a hand kneadable, fast setting epoxy putty that forms a permanent bond to all major plastic types except polyolefins. When mixed **PLASTIC-STICK** is the consistency of modeling clay and can be moulded into shapes, wrapped around or used to build up and repair just about anything made from rigid or semi-flexible plastics. **PLASTIC-STICK** comes in handy rod form with the curing agent encapsulated in the contrasting colour base material. Its putty-like consistency eliminates drips and runs providing 'no mess' applications **PLASTIC-STICK** has 100% solids content, will not shrink and is insoluble in water. **PLASTIC-STICK** may be drilled, sawn, tapped, filed, sanded and painted. It allows patching in areas where welding is impossible. **PLASTIC-STICK** cures to an off-white colour.

### AREAS OF USE

D306 Plastic-Stick Epoxy Repair Putty is a mouldable putty which bonds PVC, ABS, uPVC and other types of plastics.  
**AUTOMOTIVE** rebuild and repair many types of automotive plastic  
**APPLIANCES** repair and rebuild plastic appliance housings and parts including the interior of refrigerators and freezers.  
**PLUMBING** seals leaks and bonds to major types of plastics approved for plumbing pipe, eg. PVC, ABS and uPVC

### PROPERTIES

The predetermined mixing ratio of base and hardener gives perfect results every time. Cures at room temperature and has excellent environmental resistance in terms of humidity, temperature and chemicals.

**DIRECTIONS FOR USE**

In order to achieve optimum adhesion surfaces should be cleaned free from grease, dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond.

Mixing - twist or cut off the required amount of **PLASTIC-STICK**. If the material is cold mixing may be difficult and warming to room temperature is advised. Apply to the surface to be repaired (within 2 minutes of mixing.) The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely lying on the surface. Force into any cracks or holes to be filled and strike off excess material, preferably with tools wetted with clean water. When applying to a damp, wet, or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect

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. After 15-20 minutes the epoxy will harden like metal and start to form a tenacious bond.

After just 2-3 hours **PLASTIC-STICK** is completely cured and it can be drilled, sawn, carved, sanded, stained, or painted.

**TECHNICAL DATA**

Working life	3 minutes at 20°C
Shelf stability	12 months minimum stored at 25°C
Shore D Hardness (full cure 24hrs)	65-70
Lap Shear Tensile Strength on PVC	2.4 N/mm <sup>2</sup>
Temperature limitations	120°C continuous 150°C intermittent
Chemical resistance	Resistant to hydrocarbons, ketones, alcohol, esters, halocarbons, aqueous salt solutions and dilute acids and bases.
Electrical resistance	30,000 megohms
Dielectric strength	300 volts/mil
Shrinkage	Less than 1%
Non-volatile content	100%
Compressive strength	84N/mm <sup>2</sup> (12,000psi)

**HEALTH AND SAFETY**

Classification: Xi IRRITANT

Contains epoxy resins and hardeners which can cause skin irritation, therefore the use of suitable protective gloves is highly recommended. Wash hands after use. Keep out of reach of children.

Refer to the relevant Material Safety Data Sheet (MSDS)

**LEGAL NOTE**

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Delta Adhesives Ltd accepts no liability arising out of the use of this information or the products described herein.

Delta Adhesives Limited, Units 39-40 Claycliffe Business Park,  
Cannon Way, Barugh Green, Barnsley, South Yorkshire, S75 1JU,  
Tel: +44 (0) 1226 381 571 email: [sales@delta-adhesives.co.uk](mailto:sales@delta-adhesives.co.uk)

