



# Anglo Adhesives & Services Ltd.

INDUSTRIAL ADHESIVE MANUFACTURERS - CONTRACT FILLING AND PACKAGING

Anglo House The Airfield Dalby Road Melton Mowbray Leicestershire LE13 0BL UK

Tel: +44(0)1664 480866 - Fax: +44(0)1664 480963

E-mail: sales@anglo-adhesives.co.uk Web: www.anglo-adhesives.co.uk



## TECHNICAL INFORMATION SHEET

### PUTTY REPAIR KIT

#### **INTRODUCTION:**

Anglo Acrylic Bathtub Repair Kit is a two part acrylic adhesive containing a unique colour pigment which hardens at room temperature by polymerisation of the Part 1.

Part 1 is a viscous mixture of an acrylic polymer syrup dissolved in a monomer, and Part 2 is a liquid catalyst solution that initiates the polymerisation of the Part 1.

Anglo Acrylic Bathtub Repair Kit has been developed especially for repairing chips, scratches, cracks, splits and holes on Acrylic, fibreglass, stone resin, enamel, porcelain, ceramic surfaces and all other sanitary ware.

#### **PREPARATION:**

Before you begin your repair ensure all the components are present. The area to be repaired should be clean, dry and free from dust, grease, soap or detergent. The volume of product in Part 1 and Part 2 containers is measured to the exact mixing ratio, this ensures that when the complete contents of both containers are mixed together thoroughly is sets within the time stated. The adhesive will not polymerise (harden) properly if different proportions of the Catalyst (Part 2) are used. If a smaller amount is required dispense one drop of Part 2 directly from its container for every 1ml of Part 1. It is important that this is done accurately otherwise the adhesive will not cure properly and give inferior performance.

Repairs should not be undertaken in an environment where temperatures are below 15 °C as the setting time can be affected. To obtain the optimum cure rate, ideally the room temperature should be 20 °C +/- 5°C.

#### **MIXING:**

Add the complete contents of the Part 2 (Brown Bottle) to Part 1 (Aluminium Bottle). Hardening begins as soon as the catalyst (Part 2) is added. Mix the two parts in the aluminium container, slowly and thoroughly using the stirring rod provided. During the mixing process some air bubbles may appear, replace the cap on the aluminium container to allow any air bubbles to come to the surface. – ALLOW ABOUT 5 MINUTES. Using the syringe, extract the mixed liquid from the aluminium container. Apply within 15 minutes, otherwise the strength of the adhesive will be weakened.

#### **APPLICATION:**

**EPOXY PUTTY** Break off the right amount required to fill the hole/repair area. Knead the putty in between your fingers for 1 minute until a uniform white colour is obtained. When using the Anglo Epoxy Putty in connection with an Acrylic Bath Repair kit, if possible, always apply from underneath the bath/shower tray. Always ensure that there is a minimum gap between the putty and the bath surface of 3-4mm. If the putty is to be applied from the top, ensure to depress until minimum gap fill is achieved (as above). The Epoxy Putty will harden after 5 minutes - full strength after 24 hours.

**REPAIR KIT** Apply directly from the syringe to damaged area making sure it is overfilled. Place the polythene film on the treated area and using light pressure smooth it outwards from the centre to ensure no air bubbles are trapped. The surface of the repair should be proud of the surrounding area. If it is not, lift the polythene film, add more liquid and repeat the process. If the damage is at a vertical angle, use Blu-Tak or a similar product to create a reservoir to retain the liquid on the damaged area whilst curing. Alternatively, you may attempt to allow the product to partially cure (become more viscous). This will reduce the risk of the liquid escaping from the damaged area.

**IMPORTANT:** The liquid will cure (become more viscous) more rapidly when in mass (i.e. left in the aluminium container).

Initial cure time is 60 minutes approx., and will continue to harden for some time. The liquid will become hot while curing. Once the liquid has cooled to room temperature and fully cured (Usually 3 – 6 hours), the polythene can be removed.

Rub down the repaired area with the emery paper supplied and polish the area using the Acrylic polish and cotton wool to ensure a smooth gloss finish.

**GAP FILLING:**

There is enough product to repair approximately 8-10 chips the size of a flat 5 pence piece with a depth of approximately 2 flat 5 pence pieces (i.e. 3-4mm). The adhesive once applied to the damaged area will shrink in volume by 20% as it hardens so cavities must be over-filled to allow for this.

**COLOUR**

The colour is a unique pigment and pre-mixed with the adhesive in the Part 1 container. The colour is an exact colour match to Lucite 1W28 producing invisible repairs on all Acrylic Surfaces subject to the age and condition of the surface being repaired.

Many other Lucite colour shades are available on request.

**SHELF LIFE / STORAGE**

Bathtub Repair Kit Part 1 is suitable for at least 12 months when stored in its original container or in a metal cabinet or other suitable store below 20°C. If it has been stored below 15°C it must be allowed to come to room temperature naturally, this could take several hours.

Bathtub Repair Kit Part 2 should be stored as above at 0 – 5°C. At lower temperatures -10°C the catalyst may crystallise out of solution. It is important that all solid deposits should be re-dissolved before the solution is used. This should be done by carefully warming the container and its contents to about 20°C and shaking to uniform the product back into solution.

Once mixed repairs should not be carried out below 15°C otherwise setting time may be affected, ideally the room temperature should be 16 - 20°C. As soon as Part 2 is added to Part 1, the combined solution will begin to harden and therefore should be used immediately.

**SAFETY:**

Part 1 is flammable. There must be no smoking or naked flames in the area where the Bathtub Repair Kit is being used. Please refer to the Health & Safety sheet for more information.

**PLEASE REFER TO OUR INSTRUCTIONAL VIDEOS ON 'YOU TUBE' FOR FURTHER APPLICATION INSTRUCTIONS**

<https://www.youtube.com/watch?v=h8vyX4GJanus> (Repair damaged bathtub/shower tray using the Acrylic Bath Repair Kit)

<https://www.youtube.com/watch?v=6b3ppGCnQME> (Repair damaged bathtub/shower tray using the Anglo Putty Bath Repair Kit)

Whilst every care has been taken in the preparation of the repair kit to make it match the acrylic colour, there may be some slight colour variations due to the differences in the production process of the repair kit, and the age of the acrylic product you are repairing

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