



Universal Quick Adhesive

1458

Universal Quick Adhesive is a fast-curing, urethane adhesive designed for plastic repairs. It is an excellent choice for bonding backer panels, moldings, emblems and most small plastic, metal and aluminum parts. Universal Quick Adhesive is specially formulated for most automotive plastics, (including TPO, PP, PE) as well as metal, SMC, and fiberglass.



Mix Ratio
1:1



Suitable Substrates

- Raw plastic - rigid (SMC, BMC)
- Raw plastic - flex (ABD, PPO)
- Raw plastic - soft (PUR)
- Plastic part - primed
- Body filler
- Fiberglass/SMC Gel Coat
- Bare steel
- Bare aluminum

Note: Due to the diverse nature of plastics, always test plastic substrate for acceptable adhesion. Adhesion promoter maybe required for proper adhesion.

Note: Test pre-primed panels with acetone or paint thinner. If coating fails, strip panel to bare plastic & follow SOP 251 for Raw Plastic.



Surface Prep & Application

Cleaning: Wash area with soap and water and wipe dry. Clean repair area with SCAT 6311, Speedi SCAT 6321 or Aqua SCAT 2 1391/1394 and wipe dry.

Sanding: Sand the front and back of repair area with 80 grit sandpaper. Make sure to feather the paint surrounding the repair area. Bevel the damaged line on the front side of the plastic to be repaired. Remove sanding residue and reclean with SCAT, Speedi SCAT or Aqua SCAT 2. Wipe dry.

Cartridge Preparation: Immediately before using material, prepare the cartridge for use. Insert the cartridge into the 4450 application gun.

Remove any cap or plug. To equalize the cartridge, purge a small amount of material. Attach the mixer and tighten. To ensure a proper mix, gun out 1 mixer length of material and dispose.

Repair of Flexible and Semi-Rigid Plastic Bumpers: Apply Mul-TIE Adhesion Promoter 1031/1033/1034 or Plasto-Mend TPO Adhesion Promoter 1021 to the bare sanded plastic on the front and back of repair. Allow area to dry. Reinforce the backside of damage with Plastic Repair Tape. Apply Universal Quick Adhesive to the back of the repair area, spreading evenly over the repair area. Allow area to dry prior to sanding.

If reconstructing a tab: use the inside of the 1458 bag as a contouring sheet. Apply material to the tab and contour using the inside of the bag while the material is wet. Once cooled, remove the bag and finish the reconstruction. Sand the front of the tab to prepare for finishing material.

If reconstructing a part: use the inside of the 1458 bag as a contouring sheet to help mold the piece while the adhesive is wet. Allow to cool and remove the bag and continue to contour the new part. Allow the new part to fully cure. If sanding, start with 80 grit and finish with 180-220. After the back has enough material, go to the front side of the repair. Check that the material is not higher than the surrounding plastic. If so, spread into the repair area while it is still wet. If material on back is allowed to dry, scuff the material showing through on the front side for adhesion. Reclean the area and reapply Adhesion Promoter if scuffing is necessary. Apply material to the front side of the repair area thoroughly covering the damaged area. Sand to contour using 80-180 grit paper. Finish sand with 180-220 and reclean with SCAT, Speedi SCAT or Aqua SCAT 2. If bare plastic is present, apply another coat of Mul-TIE Adhesion Promoter or Plasto-Mend TPO Adhesion Promoter and allow to dry prior to priming surface.

SMC/Fiberglass: Follow the application instructions for Repair of Flexible & Semi-Rigid Plastic Bumpers except step 1 (Apply Adhesion Promoter). The use of adhesion promoter is not recommended for use on SMC.

Bonding - small patch/backer panels, SMC/fiberglass panels and general quick bonding: Remove all loose paint and sand area with 80 grit on all areas to be bonded. Clean both surfaces with SCAT, Speedi SCAT or Squa SCAT 2. Pre-fit part to be bonded. See cartridge preparation for purge and application information. Clamp and let cure. Refer to Addendum B for specific bonding application information.*NOTE: Do not exceed 230°F (110°C) while curing.



Flash Times/Dry Times

Work time..... 1 - 2 min
 Paint time..... 5 min
 Declamp time..... 5 min
 Sand time..... 8 - 15 min
 Full cure time..... 1 hr



Product Specifications

| | | | |
|-----------------|--------|-----------------------|---------|
| Color..... | Black | Size..... | 7 fl oz |
| Shelf life..... | 1 year | RTU solids..... | 100% |
| Elongation..... | 50% | Shore D hardness..... | 68 |

Regulatory

| | | | |
|---------------------|---------------------|-------------------------------|----|
| Category..... | Adhesive | Wt % of volatiles..... | <1 |
| VOC actual..... | <.08#/gal (<10 g/l) | Wt % of water..... | 0 |
| VOC regulatory..... | <.08#/gal (<10 g/l) | Wt % of exempt compound..... | 0 |
| Density..... | 10.14 #/gal | Vol % of exempt compound..... | 0 |



Limitations & Precautions

- Visit www.tat-co.com to assure use of the most current instructions and TDS on this product.
- See website (www.tat-co.com) for this document in other languages. (Vea el web site para este documento en español. Voir le site web pour ce document en français.)
- For use only by professional, trained painters. Not for sale to or use by the general public.
- See Addendum B for more detailed product application.

LIMITED WARRANTY

The successful performance of this product is dependent on many factors beyond our control. Results are dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Transtar Autobody Technologies, Inc. warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within shelf life as stated in this datasheet, Transtar Autobody Technologies, Inc. will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Transtar Autobody Technologies, Inc. and its affiliates MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.
