

# PRODUCT HIGHLIGHTS

**1031, 1033, 1034**

## **Mul-TIE Adhesion Promoter**

### **DESCRIPTION:**

Transtar's Mul-TIE Adhesion Promoter greatly enhances the adhesion, appearance and durability of virtually all types of automotive finishes including problem plastics, such as TPO and polypropylene. Mul-TIE can be used under primers on flexible and rigid plastic parts, as a tie-coat between fresh or existing primer and color (single stage or basecoat) and for painting aluminum or steel.

### **PRODUCTS:**

- 1031 Mul-TIE Adhesion Promoter, Gallon (3.78 L), 2/case
- 1033 Mul-TIE Adhesion Promoter, 16 oz. Aerosol (473 ml), 6/case
- 1034 Mul-TIE Adhesion Promoter, Quart (0.946 L), 4/case



### **SURFACE PREP:**

Clean with Aqua SCAT 2 (TDS225) or Scuff & Prep Paste (TDS224) with a scuff pad.



### **MIX RATIO:**

Ready to use.



### **HVLP/LVLP:**

1.2 - 1.6 mm tip  
1 - 2 medium wet coats



5 - 10 minute flash  
20 - 30 prior to priming

*See next page for more detailed product application. See website for this document in other languages.  
Vea la página siguiente para un uso más detallado del producto. Vea el Web site para este documento en español.  
Voir la prochaine page pour une application plus détaillée de produit. Voir le site Web pour ce document en français.*

## PRODUCT DATA

1031, 1033, 1034

### Mul-TIE Adhesion Promoter

#### SUITABLE SUBSTRATES:

New flexible & rigid bumpers, plastic interior & exterior parts (PP, PE, TPO, SMC, RIM, PUR, PC), edging and blend areas, and rubber and plastic body parts.

#### SURFACE PREPARATION:

**For plastic parts:** Clean parts thoroughly using a plastic cleaner such as Transtar's Aqua SCAT 2 (TDS225) or use Transtar's Scuff & Prep Paste (TDS224) with a scuff pad to enhance the performance of the repair material. Rinse with water and wipe dry with a clean cloth. Apply 1 medium coat of Mul-TIE. Allow 20 - 30 minute flash before topcoating or priming. Apply primer, color or clearcoat directly to the Mul-TIE.



**For aluminum or steel:** As there may be different grades and types of aluminum and steel substrates, it is recommended to test a piece with the following procedure to ensure adhesion.

1. Clean all parts thoroughly with warm water and soap, followed by Aqua SCAT 2 (TDS225).
2. Apply 2 coats of Mul-TIE Adhesion Promoter, allowing 5 - 10 minute flash between coats.
3. Allow Mul-TIE to dry for 20 - 30 minutes minimum before topcoating. Allowing more than 30 minutes will greatly improve the adhesion properties. It can be recoated up to 24 hours from the time of application.
4. Apply 2 coats of any Transtar clearcoat, follow all mixing and flash time recommendations. The use of additives such as accelerators are strongly discouraged. Allow the test piece to cure for 24 hours before performing the adhesion test regardless of the "cure" time specified on the datasheet of the particular clearcoat you have chosen.
5. Test Procedure:
  - a. Make a cross hatch (#) on the test piece with a razor knife.
  - b. Apply a piece of masking tape on the cross hatched area, rub the tape thoroughly to ensure good surface contact of the tape adhesive.
  - c. Remove the tape quickly pulling at a 90° angle to the panel surface.
  - d. Check the tape and the panel, if the clear pulled from the panel and is stuck to the tape the grade of aluminum or steel may not be a good candidate for clearcoating.

**Over fresh or aged primer:** Sand primer with 400-500 grit paper by hand block or with a DA. Clean parts thoroughly using a plastic cleaner such as Transtar's Aqua SCAT 2 (TDS225) or use Transtar's Scuff & Prep Paste (TDS224) with a scuff pad to enhance the performance of the repair material. Rinse with water and wipe dry with a clean cloth. Apply 1 medium coat of Mul-TIE (apply 2 medium coats with 5 - 10 minute flash for use over polyester primer). Allow 20 - 30 minute flash before topcoating or priming.

#### MIXING & APPLICATION:

Apply 2 medium coats of Mul-Tie Adhesion Promoter #1031/1033/1034, allowing 5 - 10 minutes flash time between coats. Allow 20 - 30 minutes flash time before application of color coat. Apply finish color coat according to paint manufacturer's instructions. *Note: Sanding should not be necessary. However, if sanding is required, allow the material to dry for one hour before wet sanding with 400 grit or finer sand paper.*

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# 1031, 1033, 1034 Mul-TIE Adhesion Promoter

## TECHNICAL DATA:

APPEARANCE: Amber

## REGULATORY:

Category: Adhesion Promoter	Individual Component 1031, 1034
VOC Actual	4.8#/gal (573g/l)
VOC Regulatory	6.6#/gal (788g/l)
Weight % of Volatiles	
Weight % of Water	
Weight % of Exempt Compounds	
Volume % of Exempt Compounds	
Density of Material	
Category: PAP	1033
MIR	<2.50

## ADVANTAGES:

- Eliminates the need for sanding of replacement plastic parts
- Makes paint stick to flexible and rigid bumpers
- An ideal tie-coat for improving adhesion of topcoats to prepared original coating or primer
- Provides outstanding adhesion of primer, paint, and repair materials on plastic parts
- Specifically formulated for use on today's plastics
- Helps to prevent paint chipping and peeling

## COMPETITION

DuPont Chroma Systems 222S

Sherwin Williams S65

Dominion SS XPPP

Martin Senour 5180