

BETASEAL[®] U-838

Quick Cure Primerless to Auto Glass Urethane Adhesive



Technical questions?

Dow Automotive
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 www.dowautomotiveaftermarket.com

- ▶ Black, one-component, polyurethane auto glass adhesive
- ▶ High viscosity providing excellent decking
- ▶ Meets or exceeds original equipment specifications
- ▶ Used in OEM applications
- ▶ Extremely weather resistant and durable
- ▶ Fast cure, primerless to auto glass windshield adhesive
- ▶ Excellent product workability and sag resistance
- ▶ Reduces application time and permits a convenient drive away period

Application Technique

- ▶ Thoroughly clean windshield with BETACLEAN[®] GC-800 Glass & Surface Cleaner. Make sure glass and frit are free of all contaminants and are completely dry before using BETASEAL[®] U-838.
- ▶ Pinchweld should be cleared of dirt and grime
- ▶ Apply with a standard caulking or battery gun
- ▶ BETASEAL U-838 has excellent adhesion to freshly cut, cured urethane adhesive
- ▶ BETASEAL U-838 requires a primer for the pinchweld and encapsulations, if applicable

PINCHWELD AND ENCAPSULATION PRIMERS:
 BETAPRIME[®] 5404 Pinchweld and Encapsulation Primer
 BETAPRIME[®] U-5201 Bare Metal Etch Primer (if required)

Typical Applications

- ▶ Structurally bonded or direct glazed automotive glass, such as windshields, backlites, quarter glass and other stationary glass
- ▶ Other uses such as attaching hardware to glass and backfilling to install reveal moldings or other trim

Application Details

- ▶ See vehicle manufacturer's recommendations for additional details. Refer to www.dowautomotiveaftermarket.com for complete installation procedures. Do not use any other manufacturers' primers, cleaners or other chemicals in conjunction with any BETASEAL[®] adhesive system.
- ▶ Apply at temperatures above 40°F (4.4°C)

Physical Properties

APPEARANCE: Black, smooth paste
 SOLIDS CONTENT, MINIMUM: 99%
 FLASH POINT, SETAFLASH: >230°F (110°C)
 WEIGHT PER VOLUME: 10.2 lbs/gal (1.22 kg/l)
 SPECIFIC GRAVITY: 1.22

SAG: None
 ODOR: Minimal
 TACK-FREE TIME: 25 minutes after application at 72°F (22°C) and 50% RH
 WORKING TIME: 15 minutes at 72°F (22°C) and 50% RH
 FULL CURE: Less than 24 hours at 72°F (22°C) and 50% RH

Cured Physical Properties

SHORE A HARDNESS: 60-65 (7 days at room temperature)
 ELONGATION: >400%
 TENSILE STRENGTH: >800 psi

Adhesive System Performance

SYSTEM DURABILITY	General Motors	Ford	DaimlerChrysler
1. Initial for 72 Hours at 72°F (22°C) and 50% RH	PASSED	PASSED	PASSED
2. Heat Age	PASSED	PASSED	PASSED
3. Water Immersion	PASSED	PASSED	PASSED
4. Humidity Age	PASSED	PASSED	PASSED
5. Weather-O-Meter	PASSED	PASSED	PASSED
6. Cycle Testing	PASSED	N/A	PASSED

BETASEAL[®] U-838**Dow Automotive****Quick Cure Primerless to
Auto Glass Urethane Adhesive****Vehicle Clean Up**

- ▶ If required, use BETACLEAN[®] U-424 Urethane Adhesive Cleaner following all directions and precautions
- ▶ Test BETACLEAN U-424 on an inconspicuous place prior to using
- ▶ BETACLEAN U-424 is not recommended for painted, hard plastic or bonding surfaces
- ▶ Dispose of empty containers properly

Safety Precautions

- ▶ Keep away from heat, sparks or open flame
- ▶ Use only with adequate ventilation
- ▶ Avoid breathing vapors
- ▶ If swallowed, call physician immediately
- ▶ For eye contact, flush with water for 15 minutes and get medical attention
- ▶ Wear appropriate safety equipment, such as gloves and eye protection, or as specified by your company
- ▶ Avoid skin contact; flush with water, if necessary
- ▶ Refer to Material Safety Data Sheet (MSDS) for additional information

Shelf Life

- ▶ Store at temperatures between 60°F (15°C) and 80°F (27°C)
- ▶ All materials manufactured by or for Dow Automotive have a shelf life. Urethane adhesives and primers are marked with expiration dates. Unopened product is considered within shelf life up to and including the date marked on the product. Product is considered expired past the date marked and should not be used.

Packaging

- ▶ Sealed in 600 ml (20.3 oz) foil sausage paks
- ▶ 12 paks per carton

System Compatibility

- ▶ Use no other manufacturers' primers, cleaners or other chemicals in conjunction with any BETASEAL[®] adhesive system

DOW'S COMMITMENTS

- ▶ The products when shipped meet the then current sales specifications
- ▶ Dow will notify customer if the sales specifications are changed
- ▶ Dow will supply customer with current Material Safety Data Sheets (MSDS)
- ▶ Dow conveys the product with good title, free from any lawful lien or encumbrance

**EXCLUSION OF ALL
OTHER WARRANTIES**

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