



# BETASEAL™ 43517

## Glass Bonding Systems

BETASEAL™ 43517 is the first step of 2-step Adhesion promoting primer for laminated or tempered automotive glass, to be used in combination with BETASEAL™ Urethane adhesives. Used in combination with BETASEAL™ 43520A.

BETASEAL™ 43517 is fast drying, silane wipe pretreatment used as first step of 2-step primer application. Excellent adhesion to wide number of glass frits.

### Product information

Colour	Transparent
Basis	Silane
Pigments	None
Solid content	≥0.3 %

### Rheological properties

Cup Viscosity	30 - 36 s
Cup Type	Zahn #1

### Application technique

Open time	0.0014 - 0.17 <sup>[1]</sup> h
Processing temperature	50 - 95 °F
[1]: Robotic, felt applicator	

### Other properties

Density	6.6 lb/gal	ISO 1183
---------	------------	----------

### Storage and stability

Shelf life	180 <sup>[2]</sup> days
[2]: At +10°C/50°F - +35°C/95°F in unopened containers	

### Characteristics

Compatibility	Glass
---------------	-------

### Additional information

How to use

#### Processing Instructions:

BETASEAL™ 43517 can be applied robotically or manually with plastic squeeze containers equipped with appropriate applicator tips.

Shake BETASEAL™ 43517 by hand 5-10 seconds before opening.

#### Caution:

BETASEAL™ 43517 is extremely sensitive to humidity. It is imperative that container should be closed immediately after use, in order to extend durability of the remaining primer contents.



# BETASEAL™ 43517

## Glass Bonding Systems

### Shelf Life:

Once opened, BETASEAL™ 43517 in the original shipping containers (118ml or 1.0 quart) must be used within 24 hours, unless the bottle is purged with Nitrogen. If purged, shelf life can be extended to 7 days after initial opening. Use original cap and plug to re-seal the original shipping container after every opening.

### Processing Equipment:

BETASEAL™ 43517 can be applied with primer applicator, primer application device (flask with primer applicator head and felt) or automatic primer application system.

### Bonding Surface Prep:

Prior to using BETASEAL™ 43517, ensure all bonding surfaces free of impurities (dirt, dust, water, oil, grease, release agent and similar contaminants). Verify compatibility before use, or consult our Technical Service for more information.

### Reactivation:

A maximum of one (1) re-prime operation of BETASEAL™ 43517 is recommended with a maximum open time of 10 minutes.

### Cleaning:

If BETASEAL™ 43517 drips onto the viewable surface, wipe the area with IPA until all traces of the primer are gone.

### Safety Instruction:

The use of BETASEAL™ 43517 is generally harmless and as long as the basic rules for safe handling of chemicals are applied. However, the direct contact of uncured primer to food and food containers shall be avoided. Mandatory are protective measures in order to prevent direct skin contact as well as to avoid solvent inhalation. Proper ventilation should apply when using primers with high volatile content. If any primer is applied in the means of spraying technique, special care should apply in relation to respiration and personal protection in order to prevent aerosol inhalation. Suitable solvent resistant rubber gloves, conventional eye protection as well as appropriate type of respirator mask are essential. In case of direct contact with any primers the skin must be rinsed first with warm water and then cleaned thoroughly with conventional soap. Solvents shall be avoided. For detailed protective measures refer to the material safety data sheets.

### Information:

All DuPont products are primarily developed in co-operation with the automobile manufacturers, according to their needs and their specifications,



# BETASEAL™ 43517

## Glass Bonding Systems

they are approved for the specific applications as defined by the customer. The use of the product other than approved application have to be released in written form by the Technical Service of DuPont Automotive.

### DuPont

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract or other acknowledgement that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.