



BETASEAL™ 43521

Glass Bonding Systems

BETASEAL™ 43521 is first step of 2-step Adhesion promoting primer for glass or certain grades of steel and aluminum, to be used in combination with BETASEAL™ Urethane adhesives. Used in combination with BETASEAL primers.

BETASEAL™ 43521 fast drying, silane wipe pretreatment used as first step of 2-step primer application. Excellent adhesion to steel and aluminum.

Product information

Colour	Transparent
Basis	Silane
Pigments	None
Solid content	≥2.5 %

Rheological properties

Cup Viscosity	28 - 34 s
Cup Type	Zahn #1

Application technique

Open time	5 ^[1] - 0.17 h
Processing temperature	50 - 95 °F

[1]: Robotic, felt applicator

Other properties

Density	6.97 lb/gal	ISO 1183
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Storage and stability

Shelf life	6 ^[2] months
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[2]: At +10°C/50°F - +35°C/95°F in unopened containers

Characteristics

Compatibility	Glass, Metals
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Additional information

How to use

Processing Instructions:

BETASEAL™ 43521 can be applied robotically or manually with plastic squeeze containers equipped with appropriate applicator tips.

Agitate BETASEAL™ 43521 by hand 5-10 seconds before opening.

Caution:

BETASEAL™ 43521 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.



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Shelf Life:

Once opened, BETASEAL™ 43521 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™ 43521 can be applied by primer application device (flask with primer applicator head and felt) or automatic primer application system.

Bonding Surface Prep:

Prior to using BETASEAL™ 43521, ensure all bonding surfaces must be 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™ 43521 is recommended with a maximum open time of 10 minutes.

Cleaning:

If BETASEAL™ 43521 drips onto the viewable surface, wipe the area with IPA until all traces of the primer are gone.

Safety Instruction:

The use of BETASEAL™ 43521 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, they are approved for the specific applications as defined by the customer. The



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use of the product other than approved application have to be released in written form by the Technical Service of DuPont Automotive.

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