

BETAPRIME™ 5500

Adhesion Promoting Primer

BETAPRIME™ 5500 is a one-step primer with short open time which can be used without silane wipe pretreatment.

It is an adhesion promoting primer for laminated glass with enamel layer inside, enamel substrates. To be used in combination with DuPont PUR-adhesives/sealants.

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

Unless specified otherwise test are conducted at 23°C/50% relative humidity.

Product information

Colour	Black	
Basis	Polyisocyanates	
Pigments	Carbon black	
Density	0.901 - 1 g/cm ³	ISO 845
Solid content	35 - 40 %	

Rheological properties

Cup Viscosity	10.5 - 13 ^[1] s
Cup Type	DIN-cup, 4mm
[1]: After 3 days 40°C	

Application technique

Open time	0.05 - 72 ^[2] h
Processing temperature	50 - 104 °F
[2]: 3 minutes to 3 days, with felt application.	

Storage and stability

Shelf life	180 ^[3] days
[3]: Shelf life is assured at +5°C to +25°C in unopened containers. Short term storage temperatures: 0°C to +40°C. Minimum shelf life upon dispatch from DuPont production location.	

Additional information

How to use

Processing instructions

Before opening, the primer bottle must be shaken for at least one minute after the steel balls have loosened in the container. If the steel balls do not come loose, it is recommended to hit the top of the container against a hard, flat surface so that the steel balls in the container are audible. This is important in order to distribute possible sediments in the primer.



BETAPRIME™ 5500

Adhesion Promoting Primer

Caution: The product 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.

Reactivation

One-time reactivation possible from > 3 days – 12 weeks with BETAPRIME™ 5500 maximum open time 3 days or with BETAWIPE™ VP04604 (wipe-on / wipe-off) maximum open time 15 minutes.

Shelf life after opening

The pot life after opening of the bottle depends on the ambient climate and the application process. High temperatures, high ambient humidity and repetitive opening of the primer bottle reduces the pot life. The primer needs to be well applicable, the primer layer needs to be homogeneous with good wetting of the substrates and the viscosity of the primer may not compromise the application process.

Processing equipment

Primer applicator, primer application device (flask with primer applicator head and felt) or automatic primer application system.

Surface preparation

All bonding surfaces must be free of dirt, dust, water, oil and grease, release agent and similar contaminants. Verify compatibility before use or consult our technical service department.

Cleaning

Clean equipment with BETACLEAN™ 3000.

Safety instruction

The use of bonding agent (primer) 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



BETAPRIME™ 5500

Adhesion Promoting Primer

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.

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.