

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	10 - 40 °C

[2]: 3 minutes to 3 days, with felt application.

Storage and stability

Shelf life	6 ^[3] months
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[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.



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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



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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.

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