



Technical Datasheet

Dow Automotive

BETAPRIME 5023 (A + B)

Description / Application:

"One step" primer (usable without BW VP 04604 pre-cleaning).

Adhesion promoting, reactive, two-component primer for application on glass and ceramic screen-printed substrates, with good UV stability and long open time (without skin formation) after application, usable in conjunction with all BETASEAL and BETAMATE polyurethane based adhesives/sealants.

All Dow Automotive 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 have to be released in written form by the Technical Service of Dow Automotive.

Technical Data:

Base	A: polyisocyanates B: hydroxyl components
Colour	A: black B: transparent, slightly yellow
Pigments	A: carbon black B: none
Density	A: 0,93 +/- 0.02 g/cm ³ at 23°C B: 0.98 +/-0.02 g/cm ³ at 23°C
Viscosity (DIN 4 cup)	A: < 15s at 23°C B: < 12s at 23°C after mixing A+B to 48h RT: < 20s
Flash point	See health and safety data sheet.
Processing temperature	15°C - 30°C
Evaporation time	Possible at least 15 minutes at 23°C, 50% relative humidity of air, using felt applicator. In view of the long open time of this primer, a general evaporation time of 3 days should be allowed for.
Open time	max. 12 weeks at 23°C, 50% relative humidity of air, without reactivation; to be protected against contamination from the ambience during storage.

Processing instructions

Mixing ratio:

10 parts per weight of comp. A and

1 part per weight of comp. B

Loosen steelballs (mixing-aid) by shaking bottle thoroughly or knocking it lid down onto a firm support and after the steelballs are loose proceed shaking for 1 minute. Shake component B bottle shortly, then transfer content of component B bottle into component A bottle and shake well for 1 minute.

Attention! The product is sensitive to moisture. The mixed primer must be used up within 48 hours.

Preparing the bonding surface

The bonding area shall be free from impurities whatsoever. It is recommended to carry out preliminary trials or seek advice from our Technical Service.

Processing equipment

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

Cleaning

Equipment to be cleaned with BETACLEAN 3000

Storage life

6 months at +5 to +25°C in unopened containers (see expiration date indicated on the containers).

Protection measures

See health and safety data sheet.

Dow Automotive quality assurance

Quality is our utmost goal. Dow Automotive works according to a modern quality management system conforming to ISO/TS 16949:2002.

Environment: All sites of Dow Automotive are conforming to ISO 14001:2004.

All statements, technical information and recommendations contained in this document are based on tests that we believe are reliable.

However, the accuracy or completeness of the statements, information and recommendations is not guaranteed, as before using, the user should determine the suitability of the product for user's intended purpose.

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