

Klebstoffe

Technische Datenblätter:

Betaclean 3350

Betaprime 5061

Betamate 7120

Technical Data Sheet
Dow Automotive

BETACLEAN 3350

Description / Application:
BETACLEAN 3350 is a clear, no-solvent dirt and grease flush solvent, paints and glass.

Technical Data:
Basis: Silane modified polymers
Colour: transparent
Density: approx. 0.97 g/cm³ at 23°C
Flash point: > 100°C
Instructions for use: Wet contaminated surface with BETACLEAN 3350 saturated, binder-free tissues or cloths. Preliminary trials carried out by our technical service department are recommended.
Shelf life: 12 months in unopened containers
Containers: 100, 250, 1000ml aluminium containers
Protection measures: See health and safety data sheet.

Dow Automotive Quality Management
Quality is our highest priority. Dow Automotive works with a highly modern Quality Management System which meets all international requirements of ISO 9000, TQM and ISO 14000.

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Technical Datasheet
Aftermarket Division

BETAPRIME 5061

Description / Application:
One-Step-adhesion promoter for glass, ceramic sepiography. In combination with BETASEAL and BETAMATE PUR Adhesives. A pretreatment of the bonding surface with BETACLEAN 3300 is necessary.

Technical Data:
Basis: Silane modified polymers
Colour: black
Pigments: carbon black
Density: approx. 0.97 g/cm³ bei 23°C
Viscosity (DIN-cup 4): < 14 s bei 23°C
Flash Point: See health and safety data sheet.
Processing temperature: ideal 10 - 40°C
Tack free time: 50 - 150 sec @ 23°C / 50 % r.h.
Evaporation time: min. 10 min @ 23°C / 50 % r.h., max. 6h
Reactivation with BP 5001 or BW 4001, 4002 possible.
Instruction for use: Shake container well before opening. Continue to shake for at least 60s after steel balls inside the container are released. Caution! The product is extremely hygroscopic! Close container immediately after use to preserve remaining contents. Use up remainder within 8 working days.
Bonding surface preparation: Clean bonding areas with the BETACLEAN 3300. Verify compatibility or consult our technical service department.
Cleaning: Clean Equipment with BETACLEAN 3300
Shelf life: 9 months in unopened containers (see "use before" date printed on the container).

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Storage once opened
- applicator: single use, do not store
- 100 ml bottle: 5 days in original container

Storage
Temperature: 5°C to 25°C
Shelf life: up to 60 months

Containers
Single use applicator
100 ml aluminium bottle

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.

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Technical Data Sheet
Dow Automotive

BETAMATE 7120

Description / Application:
Single-component, high-velocity, atmospheric humidity-curing polyurethane bonding/sealing compound for high-strength, permanently elastic adhesive joints. This material is used in the direct gluing process of the automotive industry in combination with glass primer and glue and paint primer. It is also suitable for bonding certain plastic parts in conjunction with the plastic primer BETAPRIME 5404 and/or a specific pretreatment according to prior test results.

Technical Data:
Basis: polyurethane prepolymer
Colour: black
Density: ca. 1.23 g/cm³ at 23°C
Solid contents: > 98%
Viscosity: pasty, pumpable 12 - 18 g/min at 23°C
Elastivation: Ballon 4 mm nozzle, 4 bar
Flash point: > 100°C
Processing temperature: 10 - 40°C
Open time: max. 15 min at 23°C/50% rh primerless
Sagging behavior: very good, non-sagging
Tack-free time: approx. 30 min at 23°C/50% rh
Cure rate: > 4 mm in 48 h at 23°C/50%rh
Tensile strength (DIN 53 504): 9 ± 1 MPa
Elongation at break (DIN 53 504): > 500%
Lap shear resistance (EN 1465): min. 5 MPa (height of adhesive layer: 2mm) 23°C/50% rh
Resistance to tear propagation (DIN 53 515): approx. 15 N/mm
Shore A hardness (DIN 53 505): 60 +/- 5
Abrasion resistance: Extremely high

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Temperature stability
-40°C to 120°C. For short periods up to 125°C

Resistance to chemicals
Highly resistant to aqueous chemicals, petrol, alcohol and mineral oils. Conditionally resistant to esters, ketones, alcohols and chlorinated hydrocarbons.

Bonding surface preparation
All bonding surfaces must be free of dirt, dust, water, oil and grease. In general, surfaces should be primed. Verify compatibility or consult our technical service department.

Processing equipment
Application: hand-operated or pneumatic gun with mechanical piston
Injection: air- or airless injection pump system with connection to automatic applicator. If automatic application is required, verify compatibility or consult our technical service department.

Cleaning
Unusual BETAMATE 7120 residues can easily be removed with BETACLEAN 3300 or BETACLEAN 3500. Hardened BETAMATE 7120 residues can only be removed mechanically. Immerse equipment in BETACLEAN 3300.

Shelf life
8 months at +5°C to +25°C in unopened containers. (See "use before" date printed on container).

Containers
300 ml cartridges, cardboard packs of 12
Pails: 22 litres
Drums: 200 litres

Protection measures
See health and safety data sheet.

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