

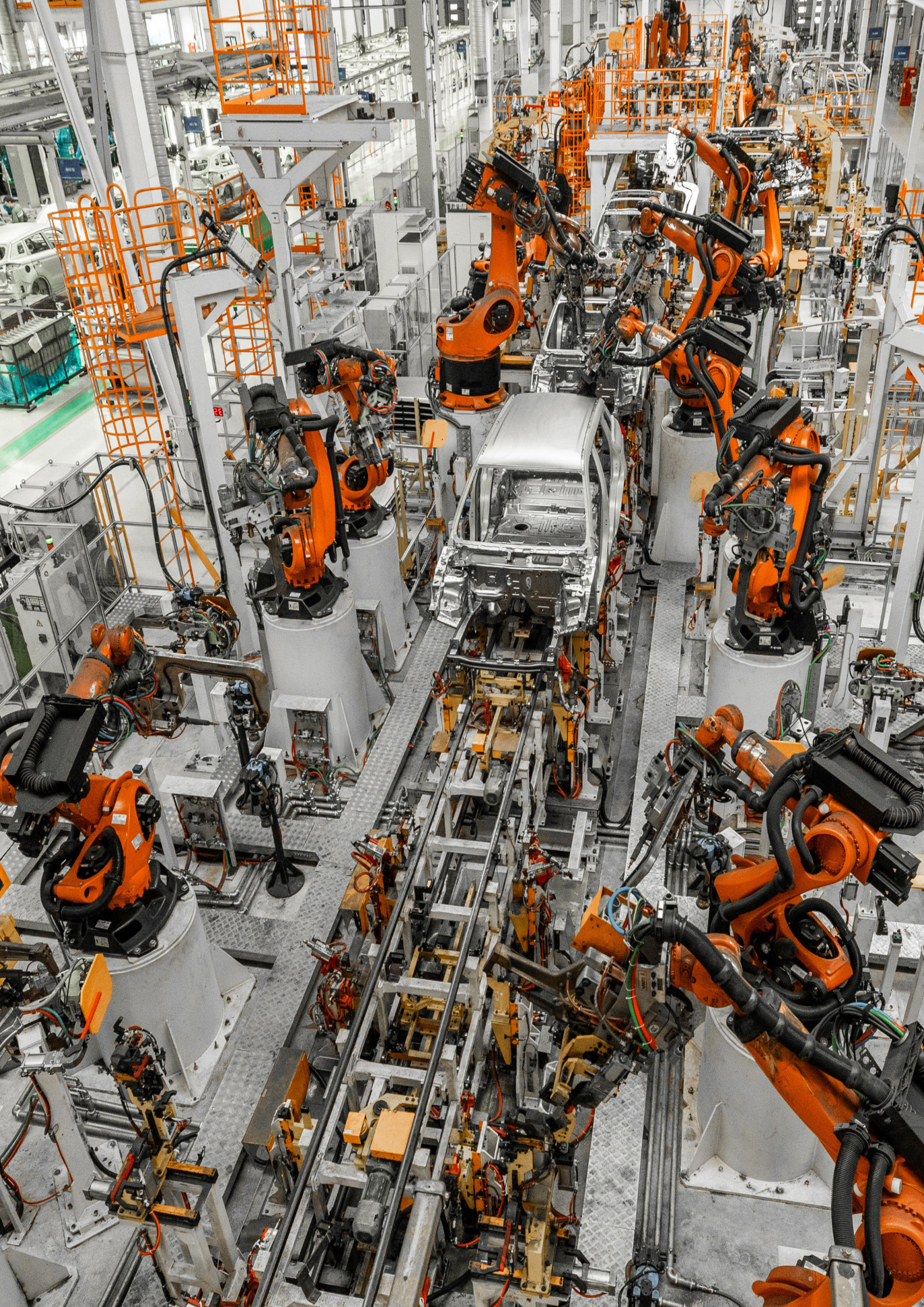


DGE GROUP



DUPONT

Adhesives product guide



BETASEAL

Adhesives for Structural bonding of glazing surfaces

BETAMATE

Structural adhesives to bond different substrates

BETAFILL

Seam sealants and solvent free sealants with permanent elasticity

BETACLEAN

Glass and body cleaners

BETAPRIME

Glass and body primers to enhance adhesion

BETAWIPE

Adhesion promoters for different substrates

BETAFORCE

Structural adhesive for composite bonding

BETATECH

Thermal conductive materials for EV batteries

Sealants



BETAFILL 216, 217, 218

Seam and panel sealing, gap filling and panel bonding. Available in a variety of colours, which are over paintable with most systems, the one component moisture curing polyurethane sealant provides permanent elasticity and good adhesion to a variety of different substrates, usually without the need for primers.

Product No.

24100448 310ml cartridge WHITE	24100451 600ml sausage BLACK
24100449 600ml sausage WHITE	24100452 310ml cartridge GRAY
241004150 310ml cartridge BLACK	24100453 600ml sausage GRAY



BETASEAL 1130

An easy to use, one component, moisture curing polyurethane adhesive with fast link up properties and short drive away time.

- Working time (15 min)
- Safe drive away (2hrs)
- Cold processable
- Medium viscosity
- Non conductive
- No heating required

Product No.

24100501 310ml cartridge
24100502 600ml sausage

Glass Bonding



BETAMATE 7120

High performance, high strength polyurethane adhesive with excellent elasticity and a generous working time.

Superior UV performance for bonding and sealing internal and external glazing. panels and sub-structures.

APPROVED FOR: **railway standard for fire safety EN45545-2**

Product No.

24100474 300ml cartridge
24100457 600ml sausage



BETASEAL 1580

Medium viscous, fast curing, coldapplied, glass bonding adhesive. It offers a 30 minute minimum drive away time and works on all vehicles at virtually any ambient temperature from -10 °C to 40 °C.

- Working time (8-15mins)
- Cold processable
- Medium viscosity
- Non conductive

Product No.

24100372 310ml cartridge
24100328 600ml sausage



BETAMATE 2700

Betamate 2700 A/B is a highly viscous adhesive and sealant that cures independently of humidity. It offers a drive away time between 60 and 90 minutes and works on all vehicles at virtually any ambient temperature from 10°C to 35°C.

- Working time (18-25 min)
- High viscosity
- High resistance to aqueous chemicals, petrol, alcohol and mineral oils
- Good sagging properties
- Long open time
- Very good elongation
- Excelent long-term durability under dynamic stress
- Meets HL3/R22, R23 of the EN 45545 railway standard

APPROVED FOR: **railway standard for fire safety EN45545-2**

Product No.

24100247 BETAMATE 2700
A+B (2X290ML) SET



BETASEAL 1590 CT

One component, moisture curing polyurethane adhesive with excellent sag and bead stability. It offers a 2 hour minimum drive away time for any weight of glass.

- Working time (15-25mins)
- Cold processable
- Non conductive
- No heating required
- Primerless - can be applied directly to freshly trimmed. cut-back PU bead

APPROVED FOR: **railway standard for fire safety EN45545-2**

Product No.

24100402 500ml sausage

Betaseal 1590CT complies with naval **regulations ISO 12216:2002**

Body Assembly



BETAMATE 2810(SV,MV,LV)

Fast curing structural adhesive for bonding composites, carbon fibre, plastics, laminates and paints after pre-treatment. Its high G modulus improves the vehicle's torsional body stiffness. Formulated for OEM manufacturers & commercial vehicle applications in the bus, truck, rail and industrial markets. Available with a range of working times and cure rates, to suit different applications from bonding small components to large panels and structures.

PROPERTIES

- Bonding dissimilar substrates
- Material flexibility that allows for thermal expansion and contraction with a joint, without loss of integrity
- Improved total stiffness of body structure
- Decreased production times

Product No.

24100351 BETAMATE 2819SV 580MLSET
24100370 BETAMATE 2810MV 580ML SET
24100395 BETAMATE 2810LV 580ML SET



BETA FORCE 2850 S/L

Structural strength, high modulus, semi and fast room temperature cure adhesive. For hybrid applications, where bigger differences are expected in the thermal expansion of dissimilar materials and long/short open time is required. Capability to reduce curing time significant by heat (induction cure). Blend of high strength and high elongation.

PROPERTIES

- Good adhesion to plastics, composites and painted surfaces.
- Good adhesion to coated metal surfaces
- Accelerated adhesion at elevated temperatures
- High mechanical strength and elongation at break
- Low temperature dependency of the modulus
- Glass transition temperature outside the application range

Product No.

24100399 BETA FORCE 2850L 580ML SET
24100398 BETA FORCE 2850S 580ML SET



BETAMATE 9050 S/L

High structural, high modulus, slow, medium and fast room temperature cure adhesive, where bigger differences are expected in the thermal expansion of dissimilar materials and medium/short open time is required. It has the capability to reduce curing time significant by heat (induction cure). Primer-less on FRP and e-coat possible.

Product No.

24100397 BETA FORCE 9050L (2X290ML)
24100396 BETA FORCE 9050S (2X290ML)

BETATECH

Maintains thermal conductivity in EV batteries to help control temperature. Thermal management for battery modules is essential to safety and long service life. Dispensable BETATECH™ offers significant advantages when applied between the battery cells and the cooling plate as part of the assembly process.

310ml cartridge

Structural Bonding



BETAMATE 4600F

Betamate 4600F is a highly durable adhesive that provides excellent adhesion to pre-treated aluminium. Due to its sealing capability, the metal is protected from corrosion. Ideal for bus, truck, rail and automotive applications. Perfect structural adhesive.

Product No.

24100394 0,38KG cartridge

24100427 25KG pail

24100428 200KG drum



BETAMATE 2090, 2098

Premium strength structural epoxy adhesives with wide adhesion to most metals, alloys and substrates or composites. Properties include excellent corrosion protection for gaps and flanges, fast green strengthweld-through ability within one hour and working time of nearly 15 hours. Also a high performance even at sub-zero temperatures.



Thatcham Approved

Product No.

24100382 195ml cartridge

24100491 195ml cartridge



BETAPRIME 5404

BETAPRIME 5500

BETAPRIME 5061

BETAPRIME 1707

BETAPRIME 5504G

BETAPRIME UV

Easy to use primer that promotes adhesion to vehicle body and inhibits rust in small nicks and scratches.

One-step primer for glass and ceramic substrates used in combination with all Betaseal Polyurethane adhesive sealants.

Multi-function primer for preparation of a wide variety of substrates in preparation for the application of BETASEAL* glass bonding systems and BETAMATE* structural adhesives.

Two-part "anti-corrosion" metal etch primer, for preparation and protection of bare metal substrates, including aluminium and steel. Superior performance for applications prone to exterior conditions & weathering. For use with BETASEAL* glass bonding systems and BETAMATE* structural adhesives.

Glass & body primer for automotive applications. Prime surfaces in one step to achieve premium bonds.

Betaprime UV is an adhesion promoting primer for glass and enamel substrates. High UV stability for glass without ceramic frit.

Product No.
24100302 15ml bottle
24100029 100ml bottle
24100046 250ml bottle

Product No.
24100060 15ml bottle
24100097 100ml bottle
24100027 250ml bottle

Product No.
24100033 100ml bottle
24100059 250ml bottle

Product No.
24100183 160ml bottle

Product No.
24100314 125ml bottle

Product No.
24100373 100ml bottle



BETACLEAN 3300

Non-smearing sprayable cleaner for glass, ceramic frit, encapsulations, (PUR-RIM, PVC) and polyurethane pre-applied adhesive systems (PAAS).

Product No.
24100119 wipes
24100377 5L Pail
24100209 25L Pail



BETACLEAN 3350

Heptane based cleaner, for quick removal of contaminants, dirt and grease from bare & treated metals, paints & plastics.

Product No.
24100361 125ml bottle
24100377 1000ml bottle



BETACLEAN 3900

Isopropanol based cleaner, for quick removal of contaminants, dirt and grease from paint finishes, plastics & composites.

Product No.
24100105 1000ml bottle



BC 3900 WIPES

Isopropyl wipes for surface cleaning prior to bonding, sealing and lubrication applications to ensure uncontaminated surfaces.

Product No.
56000000 wipes



BETAWIPE VP04604

Adhesion promoter for improved cross-linking of various substrate surfaces, including glass, aluminium and a variety of plastics, prior to the application of BETASEAL* direct glazing and BETAMATE* structural adhesives.

Product No.
24100021 15ml bottle
24100007 250ml bottle
24100145 1000ml bottle



BETAWIPE 4800

Transparent solvent-based adhesion promoting activator for e-coated surfaces and plastics, including carbon fibre composites CFK, with short open time. It is to be used as an adhesion promoter in combination with BETAMATE™ and BETAFORCE™ two-component pur-adhesives/sealants.

Product No.
24100523 1L bottle

ONE-COMPONENT EQUIPMENT



Ultraflow Combi Cartridge Applicator

Product No. 10700005
Suits 310ml cartridge



Ultraflow Combi Sachet Applicator

Product No. 10700006
Suits 600ml sausage



Ultraflow Combi Sachet Applicator

Product No. 10700006
Suits 600ml sausage



PC Cox Pneumatic Sachet Applicator (AIR-FLOW1)

Product No. 10700013
Suits 600ml sausage



Milwaukee C18PCG Caulking Gun

Product No. 25200037
Suits 310ml cartridge



Milwaukee C18PCG Caulking Gun

Product No. 25200036
Suits 400/600ml sausage

TWO-COMPONENT EQUIPMENT



BETAPOWER II 2K Pneumatic Applicator

Product No. 24100364
Suits 580ml set
(Betamate 2810 & Betaforce 2850, 9050)



BETAGUN III 2K 240V Applicator

Product No. 24100364
Suits 580ml set
(Betamate 2700 & X2800)



BATTERY GUN FOR BETAMATE 2810

Product No. 25205002
(Betamate 2810 & Betaforce 2850, 9050)

CONSUMABLES



Wire Felt Applicator

Product No. 25200006



White Wool Felt Applicator

Product No. 25200001



Orange Plastic Applicator Cap

Product No. 25200000



Plastic Applicator Bottle

Product No. 24100379



Wool Felt Element Cleaner

Product No. 24100002



Betaclean Easy-Go

Product No. 24100473

NOZZLES



Mixer Nozzle

Product No. 24100374
Suits Betamate 2810



Sulzer MGQ Static Mixer Nozzle 10-24D

Product No. 24100012
Suits Betamate 2098/2090



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