



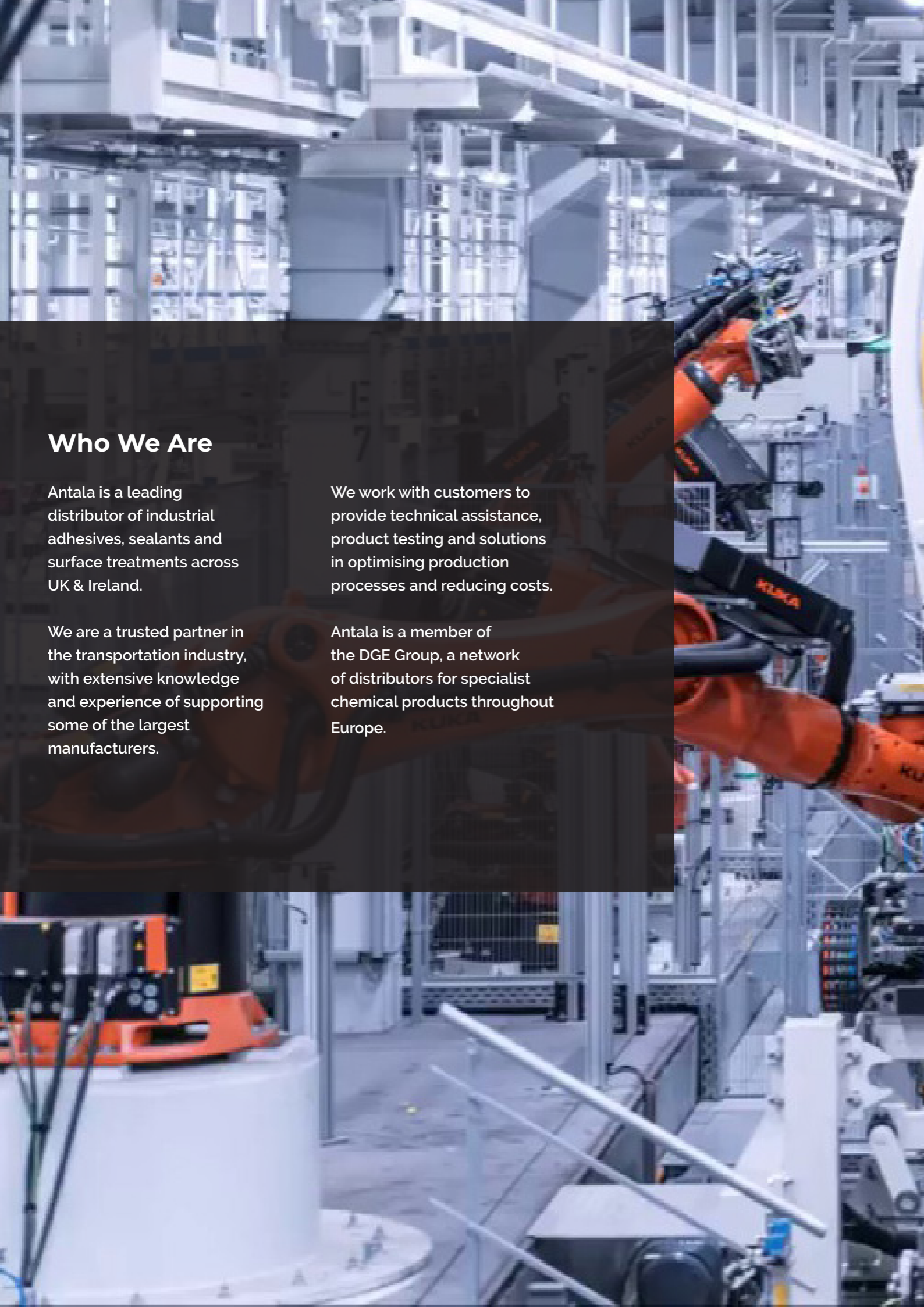
DGE GROUP

SPECIALITY CHEMICALS

DUPONT - PRODUCT BROCHURE



« DUPONT »



Who We Are

Antala is a leading distributor of industrial adhesives, sealants and surface treatments across UK & Ireland.

We are a trusted partner in the transportation industry, with extensive knowledge and experience of supporting some of the largest manufacturers.

We work with customers to provide technical assistance, product testing and solutions in optimising production processes and reducing costs.

Antala is a member of the DGE Group, a network of distributors for specialist chemical products throughout Europe.

DuPont Solutions

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

BETABRADE

Glass cleaner



Thatcham[®]
Quality Assured

CLEANERS



BETACLEAN 3300

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

Product No.	
24100119	8ml 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
24100024	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

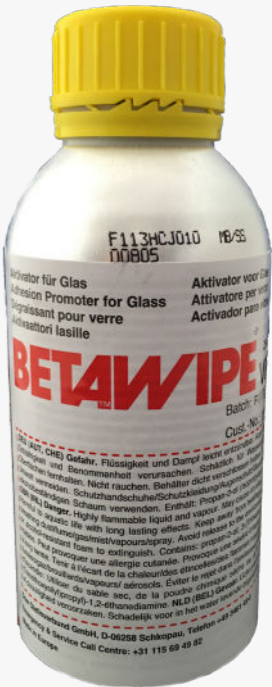


BETABRADE F1

Specially formulated paste for the fast and easy removal of silicone, oils , wax and other heavy contamination from vehicle glass.

Product No.	
24100070	500ml bottle

ACTIVATOR



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

PRIMERS



BETAPRIME 5404

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

It performs the functions of three separate primers by activating PAAS (Pre-Applied Adhesive Systems) beads, promoting adhesion to PVC (Polyvinyl Chloride) substrates and (RIM) reaction injection molding encapsulations.

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



BETAPRIME 5500

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

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



BETAPRIME 5061

Multi-function primer for the preparation of a wide variety of substrates, to include Glass, ceramic frit, polycarbonates, composites and painted substrates, in preparation for the application of BETASEAL* glass bonding systems and BETAMATE* structural adhesives.

Product No.	
24100033	100ml bottle
24100059	250ml bottle



BETAPRIME 1707

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.

Product No.	
24100183	160ml bottle



BETAPRIME UV

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

Product No.	
24100373	100ml bottle

ONE-COMPONENT ADHESIVES

BETAFILL & BETAMATE



BETAFILL 10210/10211/10215

Factory-standard 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.		
24100004	310ml cartridge	WHITE
24100014	600ml sausage	WHITE
24100020	310ml cartridge	GREY
24100192	600ml sausage	GREY
24100057	310ml cartridge	BLACK
24100035	600ml sausage	BLACK

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.

Product No.		
24100474	300ml cartridge	
24100457	600ml sausage	

BETAMATE 7185-1F

High performance polyurethane adhesive which can be warm applied, providing 'quick-fix' function. Quick fix offers a high green strength/sag resistance, giving bonded parts an instant grab, allowing products to be moved and processed faster. Ideal for the fixation of commercial vehicle direct glazing, roof, panel and floor assemblies.

Product No.		
24100461	600ml sausage	

BETASEAL



BETASEAL 1507

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

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

Product No.		
24100072	310ml cartridge	
24100073	600ml sausage	

BETASEAL 1580

Medium viscous, fast curing, cold-applied, 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	

BETASEAL 1590CT

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

Product No.		
24100402	600ml sausage	

TWO-COMPONENT ADHESIVES

BETAMATE 2810 (SV, MV, LV)



Betamate 2810 is a 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.

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

Available with a range of working times and cure rates, to suit different applications from bonding small components to large panels and structures.

Product No.		
24100351	BETAMATE 2810SV	580ML SET
24100370	BETAMATE 2810MV	580ML SET
24100395	BETAMATE 2810LV	580ML SET

	BETAMATE 2810 SV	BETAMATE 2810 MV	BETAMATE 2810 LV
UOM	580ml	580ml	580ml
SAG RESISTANCE	Very good	Good	Good
OPEN TIME	4-6min	8-10min	10-15min
HANDLING STRENGTH	~ 20min	~ 40min	~ 60min
TENSILE STRENGTH	~ 8 MPa	~ 7 MPa	~ 7 MPa
ELONGATION AT BREAK	~ 230 %	~ 230 %	~ 230 %
SHEAR STRENGTH	~ 6 MPa @2mm	~ 6 MPa @2mm	~ 6 MPa @2mm
G-MODULUS	4-5 MPa	5 MPa	5 MPa
SUBSTRATES	Steel (e-coat)/PP GF (flame treated) Aluminium/PP GF PP GF/PP TF (flame treated) PP GF / PC (flame treated) Steel (e-coat)/SMC	Steel (e-coat)/PP GF (flame treated) Aluminium/PP GF PP GF/PP TF (flame treated) PP GF / PC (flame treated) Steel (e-coat)/SMC	Steel (e-coat)/PP GF (flame treated) Aluminium/PP GF PP GF/PP TF (flame treated) PP GF / PC (flame treated) Steel (e-coat)/SMC

BETAMATE 2098 & BETAMATE 2090



BETAMATE 2098

Premium strength structural epoxy adhesive with wide adhesion to most metals, alloys and substrates.

Properties include excellent corrosion protection for gaps and flanges, weld-through ability within one hour and a working time of nearly 1.5 hours.

Thatcham Approved

Product No.	
24100382	195ml cartridge



BETAMATE 2090

Fast cure, structural epoxy adhesive with wide adhesion on most metals, alloys and composites.

Properties include fast green strength, rapid curing at room temperature (weld through ability within one hour), long working time and high performance even at sub-zero temperatures.

Thatcham Approved

Product No.	
24100417	195ml cartridge



TWO-COMPONENT ADHESIVES

BETAFORCE 2850 (L, S)



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 dependancy of the modulus
- Glass transition temperature outside the application range

Product No.		
24100399	BETAFORCE 2850L	580ML SET
24100398	BETAFORCE 2850S	580ML SET

	BETAFORCE 2850L	BETAFORCE 2850S
UOM	580ml set	580ml set
SAG RESISTANCE	Very good	Very good
OPEN TIME	35min	4-6min
HANDLING STRENGTH (0.25 MPA)	~ 90min	~ 35min
TENSILE STRENGTH	~ 10 MPa	~ 10 MPa
ELONGATION AT BREAK	~ 150 %	~ 150 %
SHEAR STRENGTH	~ 8 MPa	~ 8 MPa
G-MODULUS	9 MPa	9 MPa
SUBSTRATES	e-coated steel/ e-coated alu CFRP/e-coated steel CFRP/e-coated alu CFRP/CFRP SMC/e-coated alu SMC-coated steel PP GF (flamed) / e-coated steel	e-coated steel/ e-coated alu CFRP/e-coated steel CFRP/e-coated alu CFRP/CFRP SMC/e-coated alu SMC-coated steel PP GF (flamed) / e-coated steel

BETAFORCE 9050 (L, S)



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. Capability to reduce curing time significant by heat (Induction cure). Primer-less on FRP and e-coat possible.

Product No.	
24100397	BETAFORCE 9050L (2X290ML)
24100396	BETAFORCE 9050S (2X290ML)

	BETAFORCE 9050L	BETAFORCE 9050S
UOM	580ml set	580ml set
SAG RESISTANCE	Good	Good
OPEN TIME	40min	6-9min
HANDLING STRENGTH (0.25 MPA)	~ 50min	~ 25min
TENSILE STRENGTH	~ 18 MPa	~ 18 MPa
ELONGATION AT BREAK	~ 70 %	~ 70 %
SHEAR STRENGTH	~ 17 MPa	~ 17 MPa
G-MODULUS	270 MPa	300 MPa
SUBSTRATES	CFRP/e-coated steel CFRP/e-coated alu CFRP/CFRP SMC/e-coated alu SMC/SMC	CFRP/e-coated steel CFRP/e-coated alu CFRP/CFRP SMC/e-coated alu SMC/SMC

TOOLS - APPLICATION GUNS

A wide range of equipment is available to suit our adhesive systems, including battery, mains, air and manual equipment, as well as consumables and nozzles. Contact us for other application guns and accessories.

ONE-COMPONENT EQUIPMENT



**Ultraflow Combi
Cartridge Applicator**
Product No. 10700005
Suits 310ml cartridge



**Ultraflow Combi
Sachet Applicator**
Product No. 10700006
Suits 600ml sausage



**PC Cox Pneumatic
Cartridge Applicator (AIRFLOW 1)**
Product No. 10700009
Suits 310ml cartridge



**PC Cox Pneumatic
Sachet Applicator (AIRFLOW 1)**
Product No. 10700013
Suits 600ml sausage



**Milwaukee
C18PCG Caulking Gun**
Product No. 25200037
Suits 310ml cartridge



**Milwaukee
C18PCG Caulking Gun**
Product No. 25200036
Suits 400ml/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. 24100363
Suits 580ml set
(Betamate 2700 & X2500)

TOOLS - CONSUMABLES & NOZZLES

CONSUMABLES



Wire Felt Applicator
Product No. 25200006



**White Wool Felt
Applicator**
Product No. 25200001



Orange Plastic Applicator Cap
Product No. 25200000



Plastic Applicator Bottle (100ml)
Product No. 24100379



Wool Felt Element Cleaner
Product No. 25200002

NOZZLES



Mixer Nozzle
Product No. 24100374
Suits Betamate 2810



Sulzer MGQ Static Mixer Nozzle 10-24D
Product No. 25200012
Suits Betamate 2098/2090



Electric and Hybrid Vehicle Solutions

Antala offer a selection of innovative solutions for plug-in hybrid and battery powered electric vehicles.

Battery Pack Assembly

Thermal-conductive Interface Materials retain thermal conductivity between battery cells and cooling plates with no gaps and offers in-cycle time dispensing and pressure management for assembling battery modules.

Thermal-conductive Adhesives provide thermal management capabilities and can be used for applications requiring vibration inhibitions, variations and tensions caused by thermal differences between substrates. These adhesives can be used for bonding battery cells into battery module trays, frames and cooling units and improves the durability of the battery pack.

Lightweight Vehicle Body Design

Multi-material bonding solutions enable the use of dissimilar materials for lightweight designs and help compensate the battery mass. These adhesives can manage differences in thermal expansions.




Our range of products have been developed in collaboration with global automotive OEM's to meet the demands of the e-mobility industry.

We can work with you to identify the right technology for your electric vehicle.

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