PRODUCT CATALOGUE

One-component PU sealants and adhesives

Automotive glass, body seams, construction joints, industrial assembly and engineered timber. Ten grades, one factory, 10 production lines and 10,000 t annual capacity in Wei County, Hebei.

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Typical values are taken from the factory brochure and are not a specification for any particular batch. Ask for the batch certificate before approving a grade for production.

AUTOMOTIVE GLASS

KA518 Polyurethane Windshield Adhesive

One-component moisture-curing polyurethane adhesive for windshield, side and rear window bonding. Good bonding and sealing, easy to apply, sag resistant, fast cure, moderate hardness after cure, water and ageing resistant, primerless.

Applications

- Bonding of windscreens, side windows and rear glass

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black homogeneous paste	—
Density (g/cm³)	1.50	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	30	GB/T 13477.5
Cure rate (mm/day)	3.5	HG/T 4363
Volatile content (%)	3	GB/T 2793
Shore A hardness	65	GB/T 531.1
Tensile strength (MPa)	3.5	GB/T 528
Elongation at break (%)	320	GB/T 528
Tensile shear strength (MPa)	2.5	GB/T 7124
Extrusion rate (ml/min)	110	GB/T 13477.4

Method column refers to the test standard. "/" means the brochure gives no method for that row; the value is a factory typical, not a certified result.

AUTOMOTIVE GLASS

KA520 High-Strength Windscreen Adhesive

One-component moisture-curing high-strength polyurethane windshield adhesive. Excellent bonding and sealing, solvent-free, no bubbles, no corrosion or staining of substrates, high adhesion and hardness after cure, water and ageing resistant.

Applications

- Bonding of windscreens and side glass to the body on cars, buses and special vehicles

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black homogeneous paste	—
Density (g/cm³)	1.41	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	40	GB/T 13477.5
Cure rate (mm/day)	3.2	HG/T 4363
Volatile content (%)	1	GB/T 2793
Shore A hardness	60	GB/T 531.1
Tensile strength (MPa)	4.5	GB/T 528
Elongation at break (%)	450	GB/T 528
Tensile shear strength (MPa)	3.5	GB/T 7124
Extrusion rate (ml/min)	70	GB/T 13477.4

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AUTOMOTIVE GLASS

KA530F Fast-Drying Glass Adhesive

One-component moisture-curing polyurethane with fast low-temperature cure, high initial adhesion and modulus, 2 h positioning, primerless on painted surfaces.

Applications

- Windscreen and side glass bonding on premium cars, buses and special vehicles

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black homogeneous paste	—
Density (g/cm³)	1.30	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	15	GB/T 13477.5
Cure rate (mm/day)	4.0	HG/T 4363
Volatile content (%)	1	GB/T 2793
Shore A hardness	58	GB/T 531.1
Tensile strength (MPa)	6.5	GB/T 528
Elongation at break (%)	450	GB/T 528
Tensile shear strength (MPa)	4.5	GB/T 7124
Extrusion rate (ml/min)	50	GB/T 13477.4

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AUTOMOTIVE BODY

KA540 Automotive Sheet Metal Adhesive

One-component moisture-curing high-modulus polyurethane for sheet metal seams; thixotropic, sandable and paintable, solvent-free, low VOC, non-yellowing.

Applications

- Sealing body skins and aluminium trim panels
- Bonding and sealing interior body components
- Edge sealing for doors, tailgates and bonnets
- Seam sealing on welded body joints
- Body sealing on converted and specialty vehicles
- Waterproofing container seams

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black / White / Gray / Beige	—
Density (g/cm³)	1.50	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	35	GB/T 13477.5
Cure rate (mm/day)	3.5	HG/T 4363
Volatile content (%)	1	GB/T 2793
Shore A hardness	45	GB/T 531.1
Tensile strength (MPa)	2.5	GB/T 528
Elongation at break (%)	600	GB/T 528
Tensile shear strength (MPa)	2	GB/T 7124
Extrusion rate (ml/min)	320	GB/T 13477.4

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CONSTRUCTION

KA340A Construction Sealant

One-component moisture-curing polyurethane construction sealant for joints in concrete and stone; flexible, puncture resistant, repairable, high modulus and water-pressure resistant.

Applications

- Joints in underground tunnels and bridge tunnels
- Drainage and sewer pipe joints
- Epoxy floors and concrete joints
- Sealing wall and floor penetrations

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black / White / Gray	—
Density (g/cm³)	1.46	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	65	GB/T 13477.5
Cure rate (mm/day)	3.0	HG/T 4363
Volatile content (%)	1	GB/T 2793
Shore A hardness	35	GB/T 531.1
Tensile strength (MPa)	2.5	GB/T 528
Elongation at break (%)	615	GB/T 528
Elastic recovery (%)	75	GB/T 13477.13
Extrusion rate (ml/min)	300	GB/T 13477.4

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CONSTRUCTION

KA340B Construction Sealant

One-component moisture-curing polyurethane for low-movement, high-penetration-resistance joints; high modulus, water-pressure resistant, solvent- and DOP-free.

Applications

- Waterproofing on the wet face of bridges, tunnels and drainage pipes
- Bonding and sealing precast panels, concrete internal walls and stone

Packaging

- Cartridge: 310 ml (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black / White / Gray	—
Density (g/cm³)	1.5	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	40	GB/T 13477.5
Cure rate (mm/day)	3.0	HG/T 4363
Volatile content (%)	1	GB/T 2793
Shore A hardness	48	GB/T 531.1
Tensile strength (MPa)	2.0	GB/T 528
Elongation at break (%)	550	GB/T 528
Elastic recovery (%)	80	GB/T 7124
Extrusion rate (ml/min)	320	GB/T 13477.4

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INDUSTRIAL

KAM921 STP Sealant

One-component moisture-curing silane-modified polyether sealant combining silicone weatherability with polyurethane strength; low odour, mould resistant, paintable, primerless on many substrates, PVC- and solvent-free.

Applications

- Elastic sealing in the manufacture and repair of vehicles, vessels and industrial equipment
- Self-bonding and mutual bonding between metal, plastic and glass
- Sealing gaps and joints

Packaging

- Cartridge: 310 ml (plastic) (12 / 20 / 24 pcs per carton)
- Sausage: 400 / 600 ml (20 pcs per carton)
- Barrel: 200 L / 250 kg

Typical properties

Property	Typical value	Method
Appearance	Black / White / Gray	—
Density (g/cm³)	1.45	GB/T 13477.2
Sag resistance (mm)	0	GB/T 13477.6
Skin time (min)	30	GB/T 13477.5
Cure rate (mm/day)	3.0	HG/T 4363
Volatile content (%)	3	GB/T 13477.19
Shore A hardness	40	GB/T 531.1
Tensile strength (MPa)	1.8	GB/T 528
Elongation at break (%)	450	GB/T 528
Elastic recovery (%)	100	GB/T 13477.4
Application temperature (°C)	+5 to +35	—

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WOOD

KA505 PUR Wood Adhesive

One-component PUR adhesive for engineered timber and glulam (including treated wood); also bonds metal, plastic profiles and insulation; used in doors, sandwich panels, truck bodies and interiors.

Applications

- Glulam beams and engineered timber structures
- Bonding metal, plastic profiles and insulation
- Windows and doors, sandwich panels, vehicle body panels, interiors, pools and synthetic turf

Packaging

- Bottle: 500 ml
- Drum: 20 L / 20 kg
- Drum: 200 L / 200 kg

Typical properties

Property	Typical value	Method
Appearance	Brown liquid	—
Viscosity at 25 °C (mPa·s)	5,000–10,000	—
Solids content (%)	100	—
Skin time (min)	30–70	Varies with season
Cure time	1–4 h	Cold press to handling strength; spe

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ACCESSORIES

K-901 Activator

Surface activator that cleans the bonding interface and raises surface activity on glass, metal, ceramic and painted surfaces.

Applications

- Surface preparation before bonding glass, metal, ceramic and painted surfaces

Packaging

- Can: 5 / 10 / 50 / 250 ml, 1 L

Typical properties

Property	Typical value	Method
Appearance	Clear liquid	—
Density (g/cm³)	0.8	—
Skin time (min)	8	—
Activation time (min)	30	—
Active content (%)	6	—
Application temperature (°C)	+5 to +35	—
Shelf life	6 months unopened	—

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ACCESSORIES

K-801 Primer

Primer applied to the substrate before sealant or adhesive; forms a cured film that improves adhesion, with good coverage and UV resistance.

Applications

- Substrate preparation before applying sealants and adhesives

Packaging

- Can: 5 / 10 / 50 / 250 ml, 1 L

Typical properties

Property	Typical value	Method
Appearance	Black liquid	—
Density (g/cm³)	0.9	—
Skin time (min)	8	—
Activation time (min)	30	—
Active content (%)	6	—
Application temperature (°C)	+5 to +35	—
Shelf life	6 months unopened	—

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ORDERING

How to specify and order

Give the grade, the packaging, the quantity and the destination port. We quote FOB or CIF against those four lines; the lead time is confirmed with the quote, because it depends on the grade and the packaging line, not on a standard figure.

Samples: a sample order is quoted the same way as a production order. Tell us which substrate and which joint the grade has to work on, and we will say whether the grade fits before shipping anything.

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