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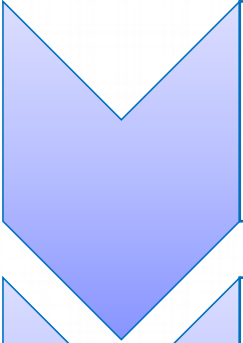
Surtek

Bonding and sealing solutions
for Automobile and Construction

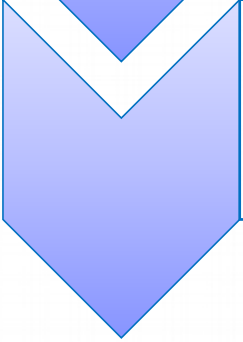
2020/2021



CONTENTS



- About Surtek



- Products and applications

- ◆ Started in 1999, became a stock listed company in 2011
- ◆ Mainly engaged in R&D, production and sales of functional polymer materials such as adhesives, shock absorption, noise reduction (NVH), etc.
- ◆ Turnover was over 1 billion RMB in 2019.
- ◆ Employee: 500+
- ◆ Company is committed to provide professional solutions for bonding, sealing, protection in the field of automotive, construction, building materials, artificial grass, flexible packaging with adhesives, sealants, resin and coatings based on polyurethane, acrylic, epoxy.

Beijing Headquater

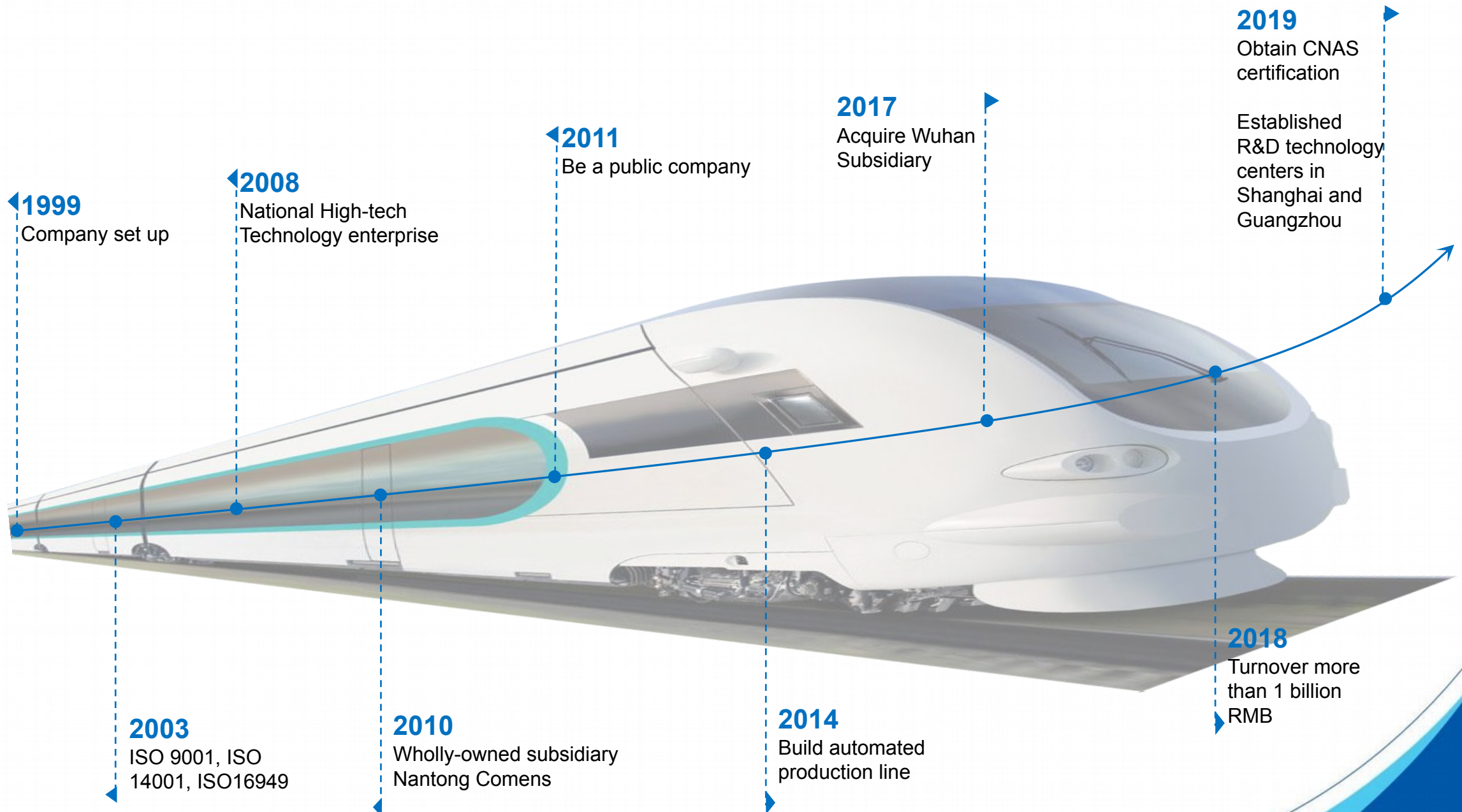


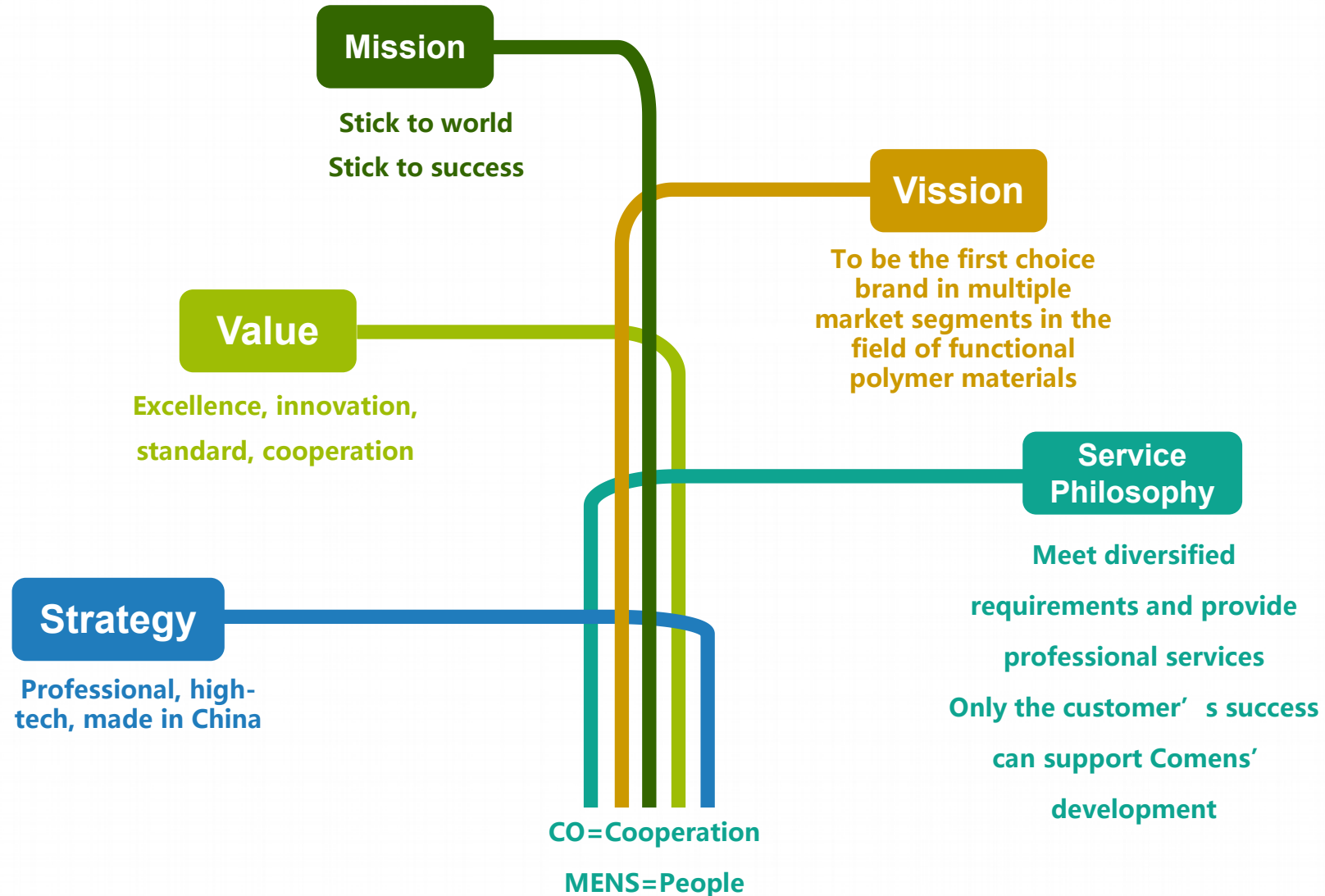
Nantong Subsidiary



Wuhan Subsidiary







3 Production Bases:

Beijing Nantong Wuhan

3 R&D Centers:

Beijing Shanghai Guangzhou

11 Offices:

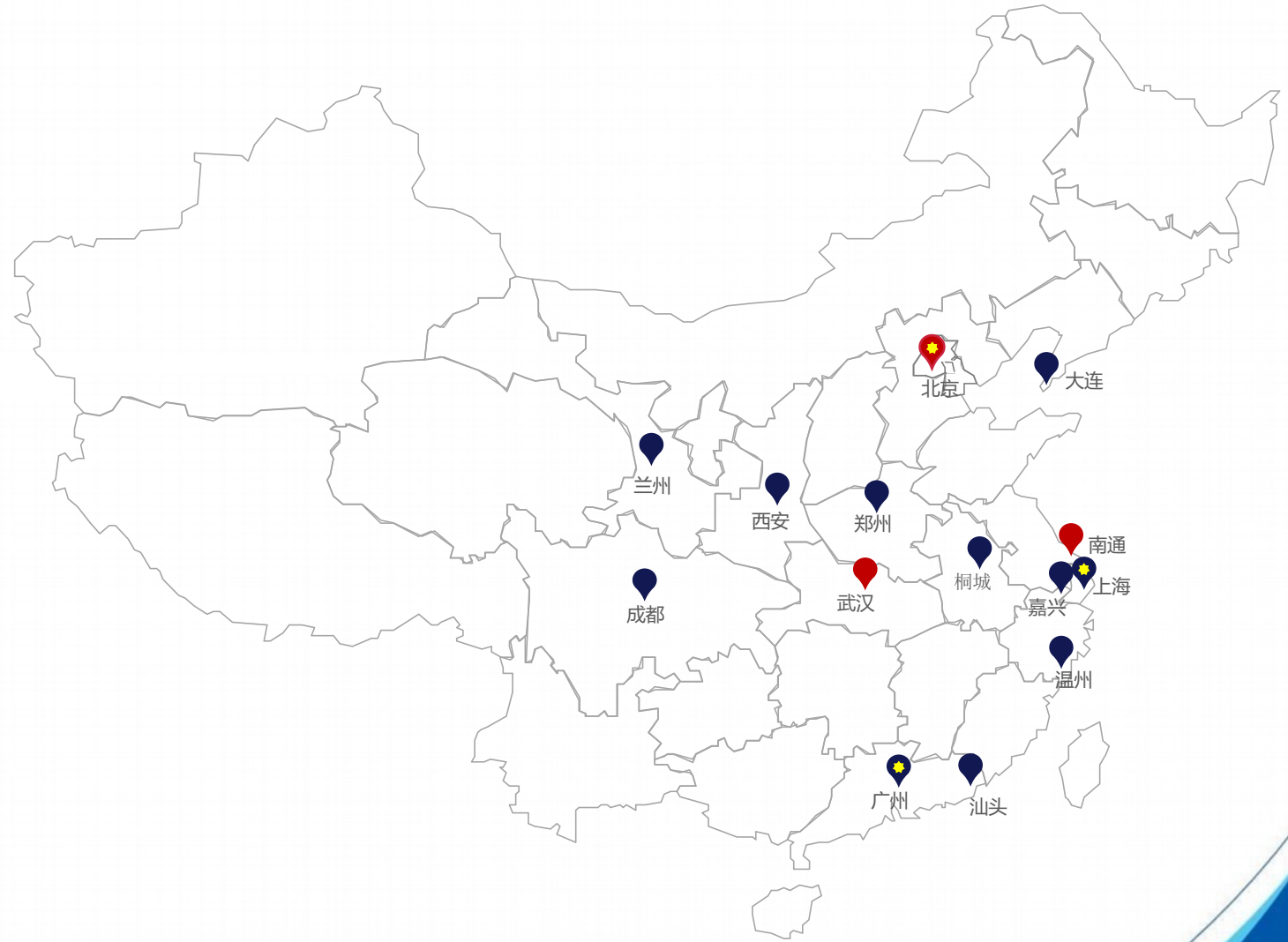
Shanghai Guangzhou

Dalian Chengdu Xi'an

Zhengzhou Wenzhou

Shantou Jiaxing Tongcheng

Lanzhou



Export to more than 50 countries around the world



Flexible packaging



Rail transportation



Automobile



Construction



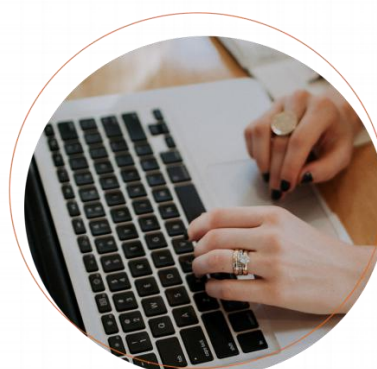
Artificial grass



Construction machinery



Electronics



Medical treatment



Marine





- Technical staff: 75, PhD, master degree
- Four lab divisions: Polyurethane resin for flexible packaging, acrylic & epoxy adhesive, sealant, water-based resin
- CNAS certificated lab



- 132 national invention patents
- 5%+ revenue is invested in R&D
- Participate in drafting a number of international and industry standards

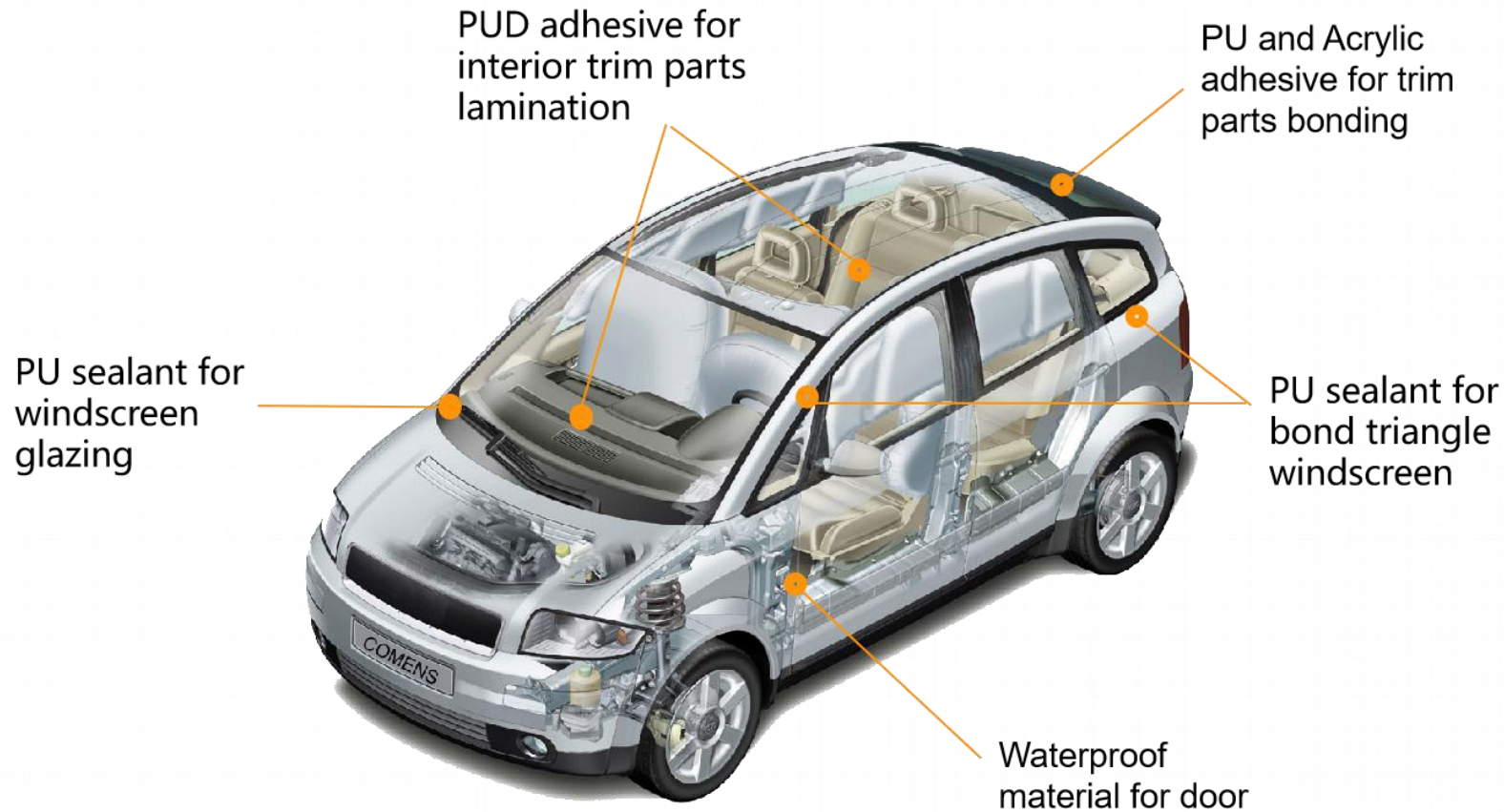


Investment of more than 30 million RMB to build the most advanced automatic airtight production line, to achieve the entire production process of air isolation. Capacity and quality are guaranteed.



Multiple measures to ensure quality stability, including automatic control, whole process management





Partner:



东风 HONDA



广汽 HONDA
感世界而动



广汽丰田



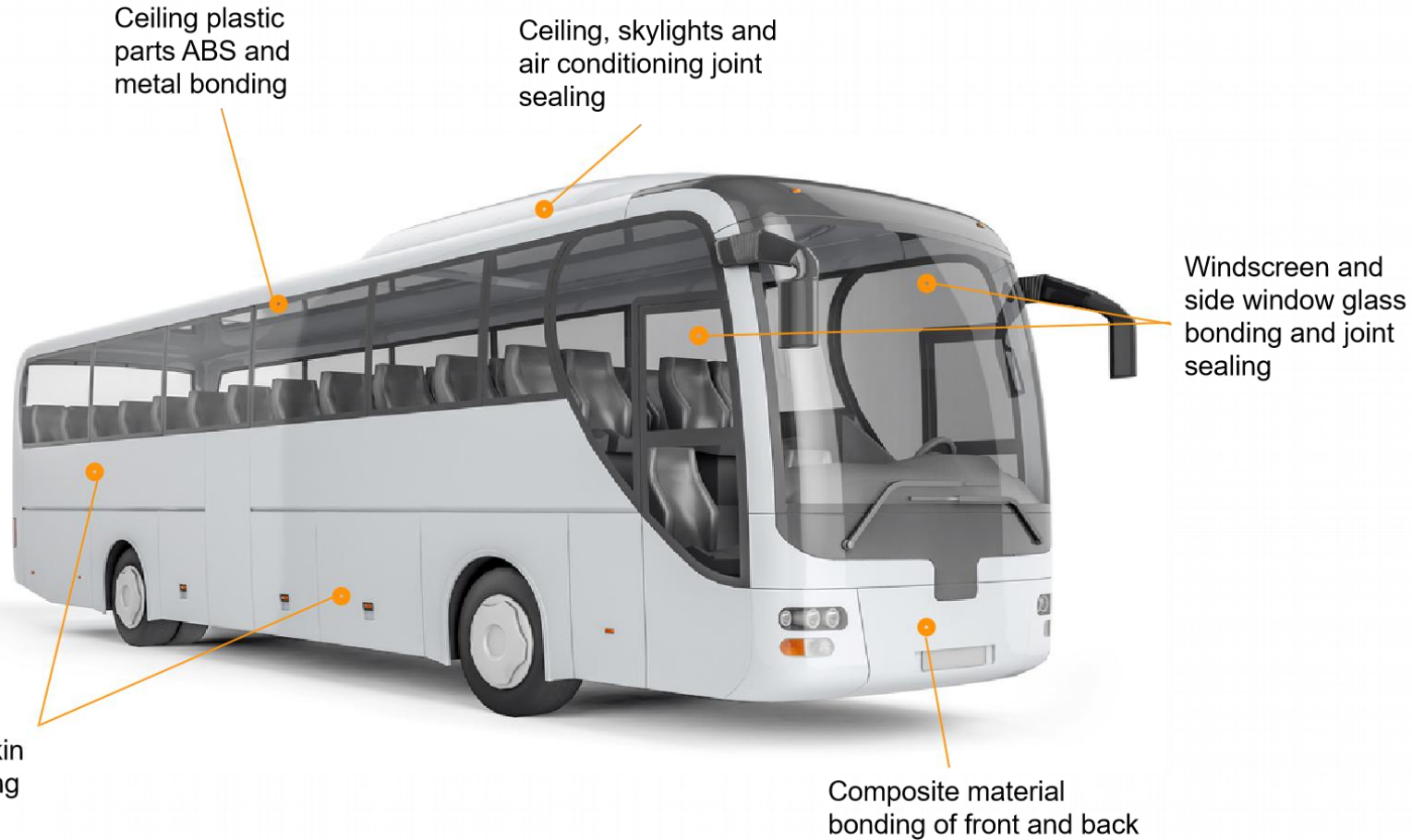
东风日产



华晨鑫源



Partner:



Polyurethane Adhesive for Windscreen Glazing

Surtek



Product Overview

	Surtek 3355	Surtek 3356	Surtek 3358	Surtek 3668
Curing speed	●	●●	●●●	●●●
Viscosity	●	●●	●●●	●●●●
Hardness	●	●●	●●●	●●●
Strength	☆☆	☆☆☆	☆☆☆☆	☆☆☆☆☆
Solvent free	○	√	√	√
Primerless	√	√	○	○



Surtek 3626

Sealing for body sheet metal, skylight, air conditioning, various welding joints



Surtek 3621WR (Weather Resistant)

Exterior joint sealing between
windscreen and body frame



Surtek MS/SPUR

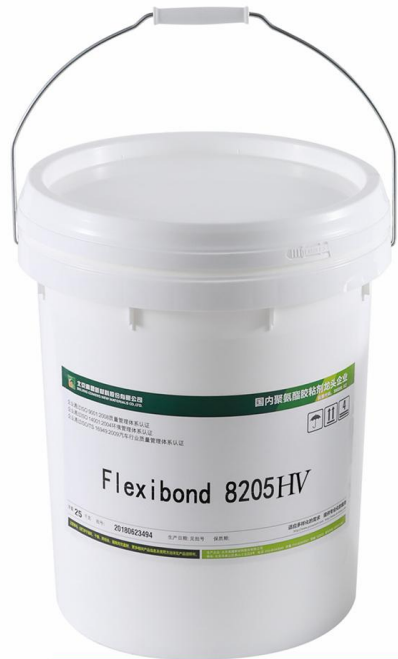
Multi-purpose exterior bonding and joint sealing



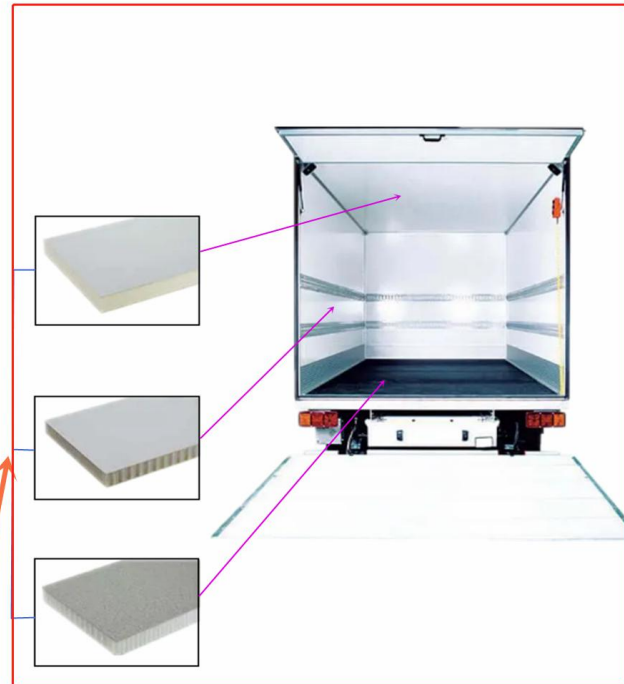
Product Overview

Product model	Application	Characteristics	Color
Surtek 3626	General joint sealing	Low odor, non-sagging, excellent workability and elasticity	Black/white/grey
Surtek 3621WR	Joint sealing between windscreen and frame	Weather resistant, non bubbling no black contamination after aging	Black
Surtek 3360HC	Heat-resistant joint sealing	Non bubbling at heating (180°C)	Black
Surtek MS 3969	Multi-purpose bonding and sealing (exterior)	MS polymer, good adhesion to many substrates, odorless, weather resistant	Black/white/grey
Surtek SPUR 3921	Multi-purpose bonding and sealing (exterior)	SPUR polymer, weather resistant	Black/white/grey

Two-component Polyurethane Adhesive for
Sandwich Panel Bonding for (Refrigerator) Van



BONDING



Product Overview

Product model	Viscosity/cps (23°C)	Mixing ratio	Pot life/min (23°C)	Open time/min (23°C, 50%RH)	Foaming/ Expansion	Features
Flexiond 8205	15,000- 25,000	5:1	40-60	65-80	No	For general sandwich panels. 8205W is the winter version
Flexibond 8205HV	1,000,000- 1,500,000 (paste)	5:1	40-60	70-90	No	For bonding and sealing between two seperate panels; for facade application, non sagging
Flexibond 8213	25,000- 30,000	5:1	50-80	80-120	No	For high-quality sandwich panels and aluminum honeycomb, high strength. 8213W is the winter version

Adhesives for Automotive Trim Parts



汽车之家

Surtek

Two-component Polyurethane/MMA (Acrylic) Adhesive



Plastic tailgate
Cheely---CF11



Spoiler
Cheely---Binyue

Two-component Polyurethane/MMA (Acrylic) Adhesive



Door outer panel
YGM---KX10

Two-component Polyurethane/MMA (Acrylic) Adhesive



Truck Roof

Bus Fence

Product Overview

	Flexibond 8100	Flexibond 8101 Series			Secubond 805	Secubond 905
Material	polyurethane	polyurethane			MMA (acrylic)	MMA (acrylic)
Mixing ratio	1:1	1:1			10:1	10:1
Working time	~40 min	3-5 min	5-10 min	10-20 min	4-6 min	4-6 min
Pressing time	3-4 h	10-15 min	15-30 min	60-120 min	19-21 min	18-20 min
Shear strength	≥10 Mpa	≥10 Mpa			≥18 Mpa	≥17 Mpa
Metal	☆☆☆	☆☆☆			☆☆☆	☆☆
Plastic	☆☆☆	☆☆☆			☆☆☆	☆☆
Composite materials	☆☆☆	☆☆☆			☆☆	☆☆☆

Polyurethane Water Based Adhesive Flexibond 5300 for Automotive Interior Trim Market

Flexibond 5300 is to bond (laminate) textiles, backfoamed textiles, carpets, leather to moulded supports with ABS, PC, PP, PVC, XPE, Fibre for sky roof, door trim, parcel shelves, pillar trims, spare tire plate, sun visor, etc.



PUR Hot Melt Adhesive for Automotive Interior Trim Market

The PUR hot melt adhesive can be used for bonding of materials such as car lights, skylights, ceilings, instrument panels, interior trim panels, spare tire panels and shelf panels.



PRODUCT CATALOGUE

Product Model	Product Name	Application	Characteristics	Color	Packaging
Surtek 3355	One component polyurethane adhesive sealant	Windshield glazing/ replacement	Primerless, non sagging, proper hardness, convenient for replacement	Black	310ml cartridge 400ml/600ml sausage
Surtek 3356	One component solvent-free polyurethane adhesive sealant	Windshield glazing/ replacement	Primerless, solvent free, low odor, suitable viscosity for all vehicles	Black	310ml cartridge 400ml/600ml sausage
Surtek 3358	Fast curing solvent-free polyurethane adhesive sealant	Windshield glazing/ replacement	Fast curing, high viscosity, high strength, solvent free, low odor	Black	310ml cartridge 400ml/600ml sausage
Surtek 3668	High strength solvent-free polyurethane adhesive sealant	Windshield glazing for OE	High strength, fast curing, high viscosity, solvent free, low odor	Black	310ml cartridge 400ml/600ml sausage 55 gallon
Surtek 3626	Solvent free multi-purpose polyurethane joint sealant	Multi-purpose Joint sealing	High strength and elasticity, can be overpainted, solvent free, low odor	White/grey/black	310ml cartridge 400ml/600ml sausage
Surtek 3621WR	One component polyurethane joint sealant	Windshield joint sealing for OE	Weather resistant, non bubbling, no black contamination	Black	600ml sausage
Surtek 3618	One component heat resistant polyurethane joint sealant	Joint sealing for OE	Non bubbling at heating (80℃), short tack free time, paintable, solvent free	Black	600ml sausage
Surtek 3360HC	One component heat curing polyurethane sealant	Joint sealing for OE	Non bubbling at heating (180℃), elastic, fast curing	Black	600ml sausage
Surtek MS 3969	One component silane modified polymer	Multi-purpose bonding and sealing	Good adhesion to many substrates, odorless, good UV resistance	Black/white/grey	600ml sausage
Surtek MS 3979A/B	Two component silane modified adhesive	Bonding for bus compartment doors	Elastic, low odor, non bubbling at heating	White	300ml+150ml twin cartridge
Surtek 3693	Two component polyurethane adhesive	Windshield glazing for OE	Fast curing, high strength, suitable for manual applications and bulk dispensing	Black	400ml+40ml twin cartridge/bulk
Flexibond 8101A/B	Two component polyurethane structural adhesive	High strength structural bonding	Fast curing, high strength, solvent free	Black	300ml+300ml twin cartridge
Adhesive for PP	Two component polyurethane structural adhesive	Bonding for PP substrates	Elastic adhesion, good strength, low odor	Black/white/grey	300ml+300ml twin cartridge
Surtek Primer 130	Primer for glass and painted surface	Adhesion promotion for glass and painted surface	Fast drying, good initial adhesion, low odor, non corrosive, no contamination	Black	250ml bottle
Surtek Activator 110	Activator for glass and painted surface	Cleaning and activating the surface	Fast drying, low odor, non corrosive, no contamination	Transparent	250ml bottle

PRODUCTS & SOLUTIONS

Surtek 3355

Primerless adhesive sealant for windshield glazing

- No need for black primer
- Excellent bonding performance
- Excellent workability and thixotropy, non sagging
- Proper hardness, easy to cut after curing, convenient for replacement

Color: black

Packaging: 310ml cartridge
400ml/600ml sausage



Surtek 3356

Solvent-free primerless adhesive sealant for windshield glazing

- No need for black primer
- Environmental friendly, solvent free, very low odor
- Suitable viscosity for passenger car and commercial vehicle
- Excellent bonding performance
- Safety drive-away time 6 hours (double airbags)

Color: black

Packaging: 310ml cartridge
400ml/600ml sausage



Surtek 3358

Solvent-free fast curing adhesive sealant for windshield glazing

- Very fast curing
- Safety drive-away time 1 hour (double airbags)
- High viscosity, applicable to all models of vehicles
- High initial strength, excellent bonding performance
- Environmental friendly, solvent free, very low odor

Color: black

Packaging: 310ml cartridge
400ml/600ml sausage

Kit needed: Surtek Primer 130



Surtek 3626

Solvent free multi-purpose joint sealant

- Excellent strength and elasticity
- Bond well to a wide variety of substrates
- Can be overpainted
- Good aging and weather resistance
- Environmental friendly, solvent free, very low odor

Color: white/grey/black

Packaging: 310ml cartridge
400ml/600ml sausage



Surtek 3668

Adhesive sealant for windshield direct glazing for OE

- OEM approved quality
- High viscosity, applicable to all models of vehicles
- High cure rate
- High shear strength, retained on aging
- Environmental friendly, solvent free, very low odor

Color: black

Packaging: 310ml cartridge
400ml/600ml sausage
55 gallon drum

Kit needed: Surtek Activator 110
Surtek Primer 130



Surtek 3621WR

Windshield joint sealant

- Non bubbling, no black contamination
- Resistant to UV radiation and weathering
- Excellent strength and elasticity
- Bond well to a wide range of substrates

Color: black

Packaging: 400ml/600ml sausage



Surtek 3618

Joint sealant for OE (heat resistant)

- Non bubbling at heating (80°C)
- One component, easy to apply
- Short tack free time
- Can be painted and polished
- Good adhesion and elasticity
- Environmental friendly, solvent free, low odor

Color: white/grey

Packaging: 600ml sausage



Surtek MS polymer

Silane modified polymer for bonding and sealing

- Free of solvents, isocyanates, silicones and PVC
- Odorless, environmental friendly
- Good adhesion to many substrates, compatible with suitable paint systems
- Good UV resistance

Color: black/white/grey

Packaging: 600ml sausage



Surtek 3360HC

Heat-resistant polyurethane sealant for OE

- Room temperature curing/heat curing (50min@180°C)
- Heat resistant, non bubbling at heating
- Excellent adhesion to various metal substrates
- No need for primer or activator

Color: black

Packaging: 600ml sausage



Flexibond 8101A/B

Two-component polyurethane adhesive for structural bonding

- Fast curing, short setting time
- Excellent thixotropy, non sagging, good workability
- High strength, good adhesion and impact resistant performance
- Resistant to water, corrosion and high temperature
- Environmental friendly, solvent free

Color: black+light yellow

Packaging: 300ml A+300ml B twin cartridge

20kg A+20kg B barrels



Surtek Primer 130

Primer for glass and painted surface

Surtek Primer 130 is a black liquid especially formulated for surface preparation. It is used to promote the adhesion of the adhesive sealant on glass and painted surface.

- Fast drying
- Easy application
- Good initial adhesion
- Low odor, non corrosive, no contamination

Color: black

Packaging: 250ml bottle



Surtek Activator 110

Adhesion promoter for windshield glazing

Surtek Activator 110 is an agent of cleaning and activating, especially formulated for the treatment of surfaces of direct glazing prior to the application of polyurethane adhesive sealant.

- Fast drying
- Easy application
- Low odor, non corrosive, no contamination

Color: Transparent

Packaging: 250ml bottle



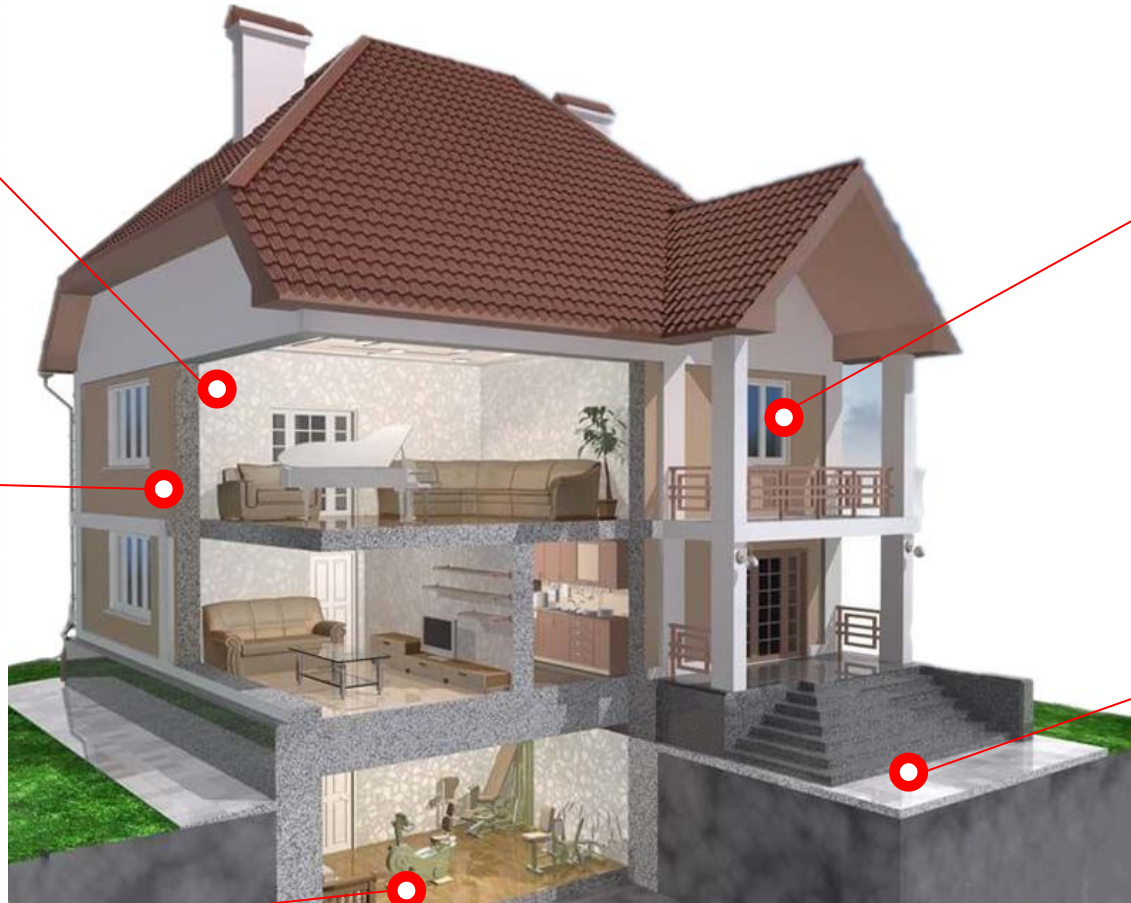
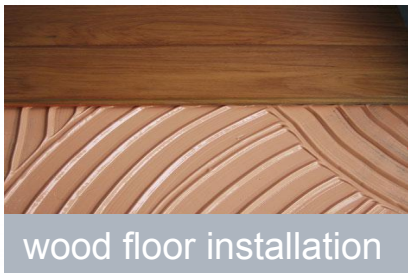
OE PARTNER

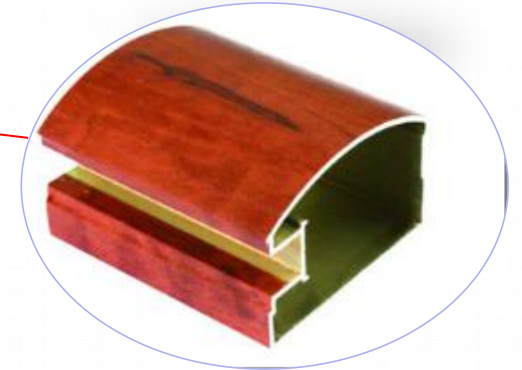
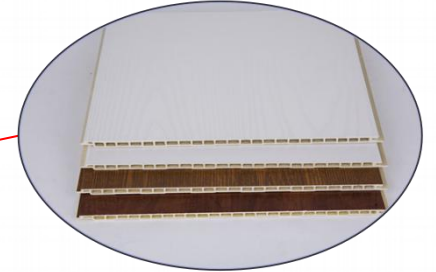
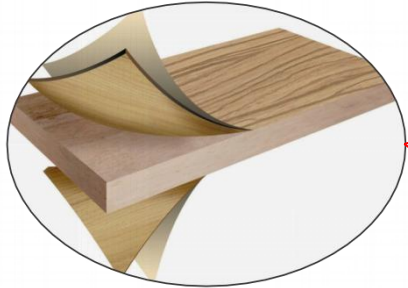


Comens teams up the experts in different fields to make sure that we can give the strong support including technology, testing & analyzing, trouble shooting, on-site service and training. We work together with the customers to provide the best solution to improve their quality and productivity, which builds our brand in the market.

Comens Philosophy:

Meet diversified requirements and provide professional services with strong responsibility! Comens' development relies on the customers' success!







One-component & Two-component PU/MS/SPUR Sealant for Caulking



- ✓ High elongation
- ✓ High movement ability
- ✓ Aging resistant



Product Overview

Product model	Component	Mixing Ratio	Modulus/ Flowability	Color	Packaging
Surtek 3511	One component	—	Low modulus	Grey/white/black	310ml cartridge 600ml sausage
Surtrek 3621	One component	—	Mid modulus	Grey/white/black	310ml cartridge 600ml sausage
Surtek MS/SPUR	One component	—	Low modulus	Grey/white/black	310ml cartridge 600ml sausage
Comensflex 8277L	Two component	5:1	Self-leveling	Black	Resin: 25kg barrel Hardener: 5kg barrel
Comensflex 8266N	Two component	5:1	Thixotropic	Black	Resin: 25kg barrel Hardener: 5kg barrel



Comensflex 8268GNS

One-component Polyurethane Waterproof Coating

Waterproofing for restroom, bathroom, kitchen, balcony, etc.

- Good workability, easy to apply with roller/brush
- Excellent flexibility



One-component SOLVENT FREE Polyurethane Adhesive
for Wood Floor Installation



Product model	Flowability	Color	Packaging
Surtek 3546	Flowable	Ochre	600ml sausage 10-25kg bucket
Surtrek 3526	Thixtropic paste	Ochre	600ml sausage





Flexibond 8100

Two-component Polyurethane Adhesive for Corner Angle Frame Assembly for Windows and Doors

- Suitable viscosity, good workability, non sagging
- Fast curing
- High strength and flexible
- Mixing Ratio: 1:1 (300ml+300ml)

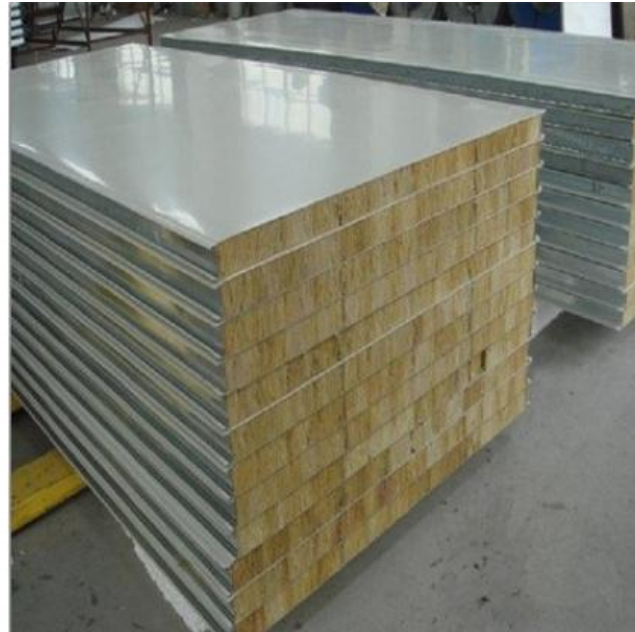


Two-component Polyurethane Adhesive for
Aluminum Honeycomb Panel Bonding



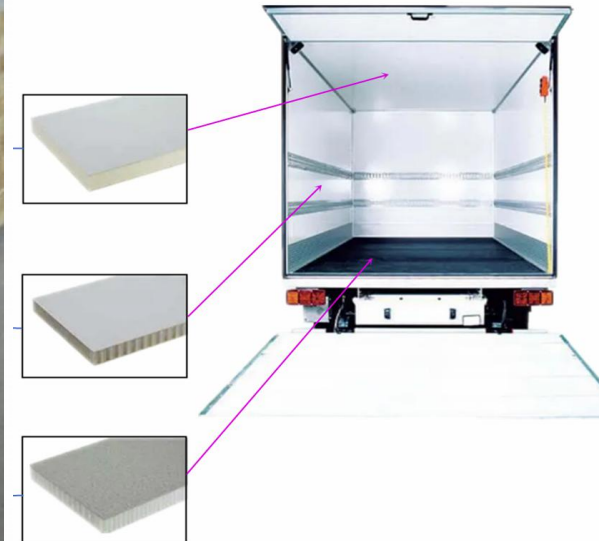
Product model	Viscosity/cps (23℃)	Mixing ratio	Pot life/min (23℃)	Foaming/ Expansion	Features
Flexibond 8213	25,000-30,000	5:1	50-80	No	For general aluminum honeycomb panels, aging resistant
Flexibond 8215	5,000-15,000	100:30	40-60	No	For high-quality aluminum honeycomb panels, low viscosity, suitable for shower coating, aging resistant

Two-component Polyurethane Adhesive for Sandwich Panel Bonding



Application Field:

- door
- external wall insulation board
- insulation board
- container
- ...



Product Overview

Product model	Viscosity/cps (23°C)	Mixing ratio	Pot life/min (23°C)	Foaming/ Expansion	Packaging
Flexibond 8207(W)	15,000-25,000	5:1	50-70	0	
Flexibond 8204(S/W)	20,000-30,000	4:1	40-60	50%-100%	
Flexibond 8205	15,000-25,000	5:1	50-70	0	
Flexibond 8202	5,000-15,000	4:1	40-60	0	
Flexibond 8213	25,000-30,000	5:1	50-80	0	
Flexibond 8010(H)	10,000-12,000	One component	Tack free time 5-15	50%-100%	

PUR Hot Melt Adhesive for Flat Lamination



- ✓ 100% solid content, solvent free
- ✓ High initial strength, the foil does not rebound after lamination
- ✓ Excellent heat stability
- ✓ Wide range of adhesion to different materials



PUR Hot Melt Adhesive for Profile Wrapping



- ✓ 100% solid content, solvent free
- ✓ High initial strength
- ✓ Wide temperature adaptability
- ✓ Wide range of adhesion to different materials



PUR Hot Melt Adhesive for Edgebanding



- ✓ 100% solid content, solvent free
- ✓ High bonding strength
- ✓ Excellent low temperature resistance
- ✓ Low glue consumption, cost saving



Product Overview

	Flexibond 8910	Flexibond 8911	Flexibond 8910.1	Flexibond 8920	Flexibond 8921	Flexibond 8922
Viscosity at 120°C [mPas]	16000±2000	30000±3000	10000±1000	40000±5000	70000±5000	65000±5000
Open time at 25°C [min]	12	8	15	8	5	6
Pressing temperature [°C]	130±10	140±5	100±10	130±10	140±10	140±10
Usage	Flat laminationg for thin foil	Flat laminationg for thick foil	Flat lamination (adhesive melting at low temperature)	Wall board wrapping	Profile wrapping	Profile wrapping



Surtek: bonding and sealing solutions
for Automobile and Construction.
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