

# ADHESIVE SOLUTIONS

## FOR THE TRANSPORT INDUSTRY



- Reduce costs**
- Prevent corrosion**
- Increase production rate**
- Reduce vehicle weight**
- Improve fatigue resistance**
- Simplify design  
with modular conception**
- Improve end-user experience  
by noise absorption**



# ADEKIT ADHESIVE ASSEMBLY

## Strong **AND** flexible:

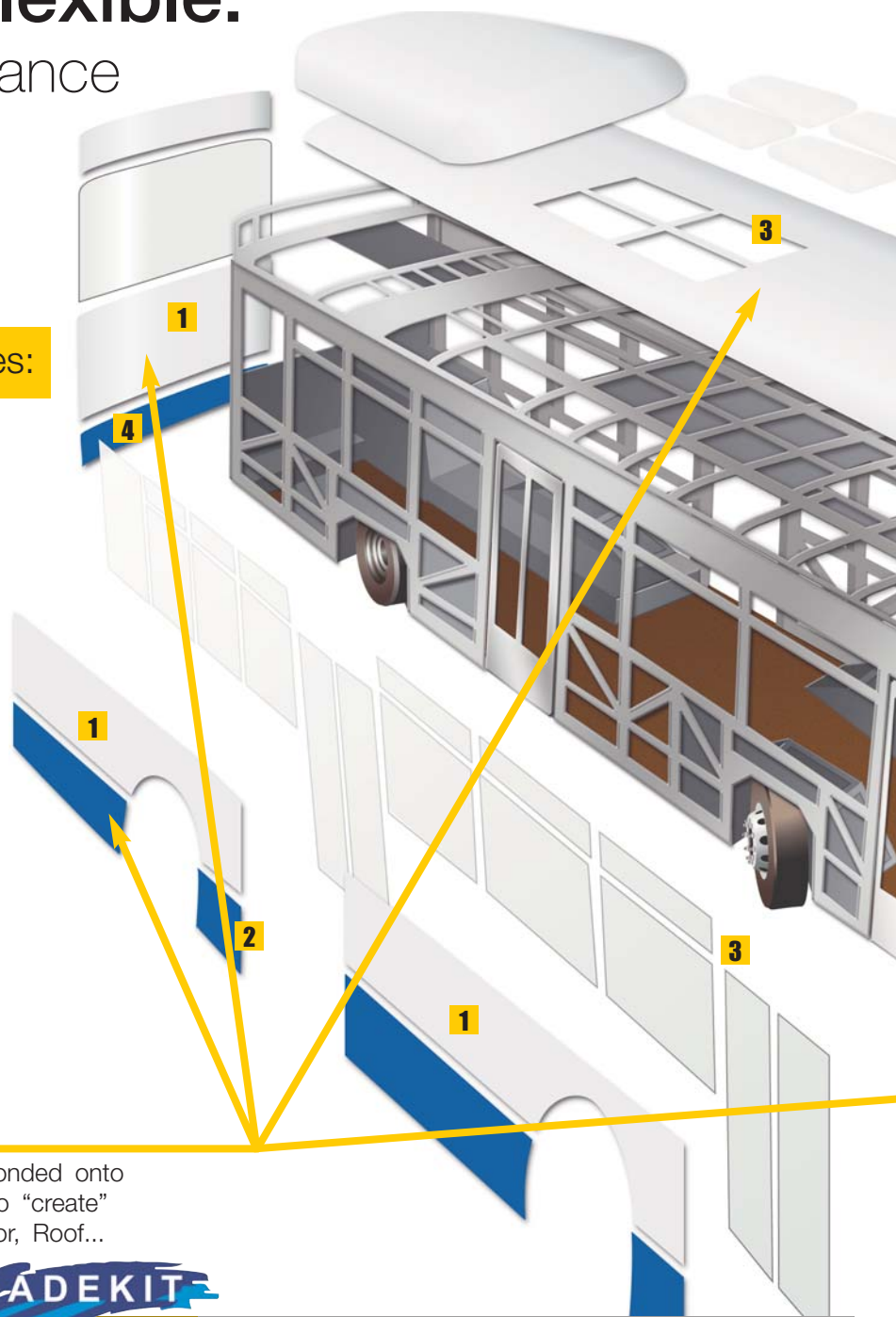
the best performance combination on the market

### AXSON ADEKIT advantages:

- Required flexibility allied to high strength
- Wide range of cure speeds for large or small dimensions
- Wide range of viscosities adapted to your application: vertical / thick, high-speed robotic, thin layer, gap-filling...
- Shock resistance : Vibration absorption
- Approved by rail & automotive industries
- Waterproof, seal & give esthetic finish
- Environment & user friendly : Solvent free
- High performance : High Quality
- Can be painted

### Bonding & sealing exterior components onto a metal structure

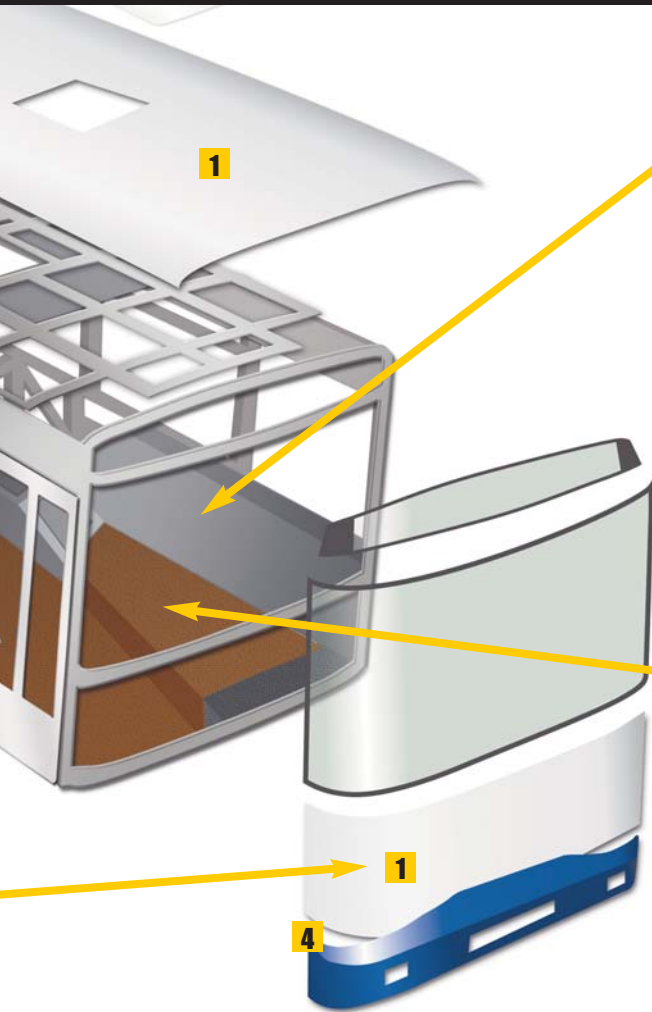
Metal, plastic or composite panels are bonded onto the metal structure (welded or bonded) to "create" the body of the vehicle: side panels, Floor, Roof...



<b>1</b>	Bonding of larger parts onto metal structures : roof, rear and front facade, side panels larger than 2 square meters.	<b>A 200</b>	Gap filling of up to 10mm. Long open time, ideal for large surfaces. High strength & high peel combined with flexibility = excellent dynamic stress characteristics. Elimination of visible adhesive marks on the outside surface. Excellent tolerance for dilatation.
<b>2</b>	Bonding up to 2 square meter sized side panels in metal or composite onto metal structures.	<b>A 220</b>	Ideal combination of cure speed & open time. Excellent dynamic stress characteristics & gap filling. Elimination of visible adhesive marks on the outside surface. Excellent tolerance for dilatation.
<b>3</b>	Sealing & waterproofing.	<b>A 220 / H 6250 A 252</b>	Excellent gap filling & waterproofing.
<b>4</b>	Structural bonding of metallic inserts / big head to composites or metal panels.	<b>A 280 / A 290</b>	Flexible, fast curing adhesive, able to absorb vibrations. Elimination of visible adhesive marks on the outside surface. Excellent tolerance for dilatation.
	Bonding of parts, roof, doors, hoods, trunks, spoilers on metal structure with an automatic dispensing system.	<b>H 6280 / H 6250 H 6230</b>	Highly thixotropic, ideal for the rapid movements of robotic application processes.

**BUS TRUCK RAIL CAR SPECIAL**

# for lighter-weight vehicles



## Bonding of structural & decorative interior elements



Bonding of small interior elements.

**A 140 / A 280  
A 290**

Short handling time. High performance to bond small parts under high load.

Bonding of large parts.

**A 200 / A 230  
A 175 / H 9951 T**

Long open time. Non sagging. High mechanical resistance within a large temperature range.

## Bonding of structural & decorative floors



Bonding of floor on structure.

**A 200  
A 230**

Gap filling up to 10mm. Long open time. High strength & high peel combined with flexibility. Excellent dynamic stress characteristics.

Bonding of decorative floor on structural floor.

**A 220**

Viscosities adapted to work with spatula or machine.

## AXSON ADEKIT recommended adhesives :

Metal structure bonding		ABS	PMMA	PVC	PC	Alu	Steel	Glass	Carbon epoxy composites	Fiberglass epoxy composites	Fiberglass polyester composites: SMC, GRP, RTM	Sandwich panels	
Metal structures	Steel	PU flexible: <b>A 252, H 6250</b>				PU rigid: <b>A 230</b>		PU flexible: <b>A 252, H 6250</b>	PU rigid: <b>A 230</b>			PU semi flexible: <b>A 200, A 220, A 280, A 290</b>	
	Stainless steel												
	Galvanised metal	PU semi flexible: <b>A 200, A 220, A 280, A 290</b>				Epoxy: <b>A 140, A 175, A 170</b>		Epoxy: <b>A 140, A 175, A 170</b>	Epoxy: <b>A 140, A 175, A 170</b>			Epoxy: <b>A 140, A 175, A 170</b>	
	Aluminium												
	Coated metal												

# CUSTOMER SOLUTIONS



## Analysis, Diagnostic, Resolution

Our comprehensive Adekit range is designed to satisfy the specific requirements for your application. With recognized expertise in R & D we offer custom-designed solutions which include viscosity & open time adapted to:



- processing & curing conditions
- manual or high-speed robotic application
- small, large or vertical surfaces
- thin, thick bonding line, gap filling
- convenient packaging, from cartridges to drums



## Excellent Technical Support Services

Our network of technical staff can give on-site demonstrations, providing expert advice to find the best solution to a range of technical challenges. This expertise is backed by strong technical support, excellent levels of customer service and the ability to match great ideas with achievable outcomes.

- on-site, expert advice for application & technical assistance
- local availability through our global network
- personalized service for optimum solutions

## 6 PRODUCTION SITES

China  
France  
Japan  
Mexico  
Slovakia  
USA

- AXSON OFFICES
- ⊗ AXSON OFFICES WITH PRODUCTION SITE & RESEARCH CENTER
- DISTRIBUTORS



## 12 COMPANIES

China  
France  
Germany  
India  
Italy  
Japan  
Mexico  
Spain  
Slovakia  
U. A. E.  
UK  
USA

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## ADHESIVES

See our new website [axson.com](http://axson.com) : TDS, downloads...  
Our technicians and engineers are available to answer your specific needs. Contact: [adhesive@axson.com](mailto:adhesive@axson.com)

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