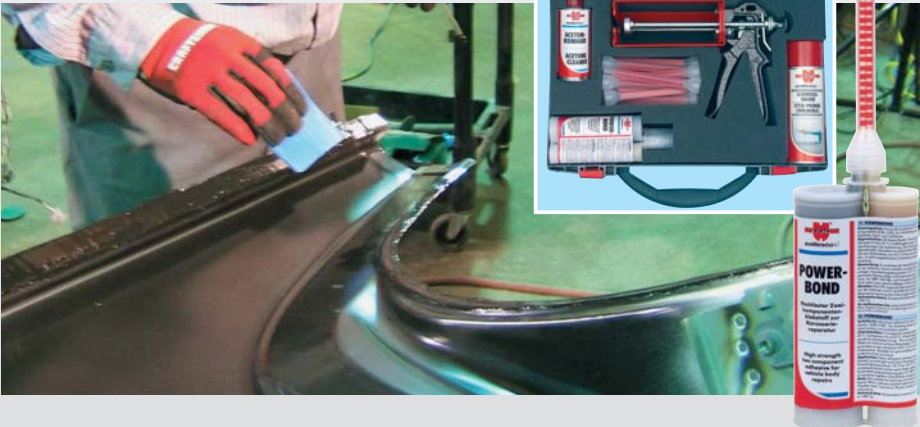


# POWERBOND

High strength two-component epoxy resin system for body repairs

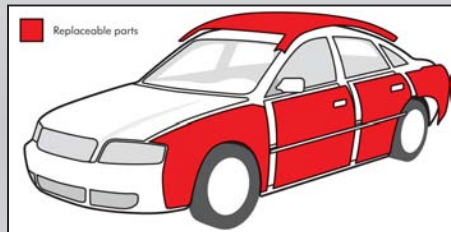


Designation	Contents	Art. No.	P. Qty.
Powerbond Adhesive Set	*	<b>0893 964 450</b>	1
Powerbond Adhesive	225ml	<b>0893 450 100</b>	1/6
Positive mixer	–	<b>0891 450 101</b>	15
Application gun	–	<b>0891 450 100</b>	1

\* Set = 2 cartons Powerbond adhesive, 15 positive mixers, 1 application gun, 1 acetone cleaner, 1 welding base, 1 repair instructions.

## Applications:

Structural adhesive for steel, aluminium and fibre-reinforced plastics (FRP, CFRP). For gluing vehicle body parts such as side-walls, wheel arches, roof and door plates.



## Technical data

Chemical basis	Epoxy resin
Colour	black
Density	1.1g/cm <sup>3</sup>
Application temperature	15°C to 25°C
Application time	1 hour*
Hardening time	4 hours*
Final strength	after 72 hours*
Shore D hardness (DIN 53505)	80
Tensile strength (ASTM D-638)	30MPa*
Tensile shear strength (EN 1465)	1.7MPa (after 4 hours)* 13.3MPa (after 8 hours)* 19.0MPa (after 17 hours)*
Resistant to	Fuels (petrol, Diesel oil), motor and transmission oil, coolant.
Thermal stability	-30°C to 120°C (for short peaks up to 190°C)
Durability	12 months

\*measured at 23°C

▶ High-strength epoxy glue.

### Your advantages:

- The repair restores the original strength and stiffness.
- Fewer spot welds.
- Meets the requirements of vehicle manufacturers.

▶ Glass-particle technology

### Your advantage:

- Even if strong pressure is exerted, an adhesive thickness of 0.7 to 1.2mm remains.

▶ Excellent stability.

### Your advantage:

- The glue will not run on vertical surfaces (thixotropic).

▶ Excellent corrosion protection.

### Your advantages:

- The original rust resistance is maintained.
- Corrosion is prevented at welds.

▶ Can be through-welded

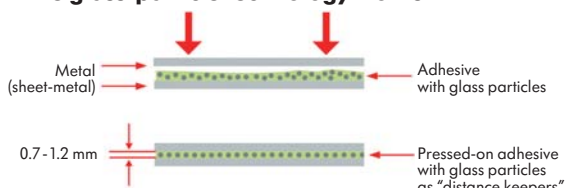
▶ Can be ground and painted over

▶ Free of silicone and VOC.

## Note:

Not suited for load-bearing vehicle body parts (e.g. A-pillar, frame side bar). If body parts are only partially replaced, do not glue on visible surfaces since shadow seams may appear. Observe the manufacturer's repair instructions.

### How the glass-particle technology works



The glass particles prevent the adhesive from being completely squeezed out by high fixation pressure. This ensures that the necessary minimum amount of adhesive remains between parts to be glued.

This information is intended as a recommendation based on our experience. We always recommend individual tests. Consistent quality of our products is guaranteed. Subject to technical modifications and further development.

Acetone Cleaner  
**Art. No. 0893 460**  
 Welding Base  
**Art. No. 0893 010 001**  
 Pneumatic Sanding Machine  
**Art. No. 0703 231 0**