

Plastic Repair

Bardahl Plastic Repair is a 2 component adhesive that can be used in all (car) workshops. Suitable for those places where plastic and metal need to be repaired in both industrial applications and automotive. **Bardahl Plastic Repair** has been developed to be used with many different materials. Think of thermoplastic materials, steel, aluminum, concrete, wood and glass.

Characteristics

- ✓ This product cures well at room temperature (20°C /50% humidity).
- ✓ Is odorless
- ✓ The hard and flexible ones are black in color.

By means of a Plastic Repair gun it is simple:

- ✓ Repair
- ✓ Fill
- ✓ Sealing
- ✓ Bonding

Application

The various Plastic Repairs have a very wide range of applications, in automotive and industry. **Bardahl Plastic Repair** can be used for the repair of:

- ✓ Headlights / taillights repair
- ✓ Leaking water radiator
- ✓ Broken fans
- ✓ Released rear-view mirror
- ✓ Loosened/broken wheel arches and panels
- ✓ Bumper repairs
- ✓ Released bumper strips
- ✓ Repair side-skirts
- ✓ Advertising bins
- ✓ Plastic frames
- ✓ Protect hoods machines
- ✓ Windshields
- ✓ Shower drains
- ✓ Rust repairs
- ✓ etc.

Plastic Repair Foam

A special version is the **Foam**. This product can be used in all (car) workshops where cavities are filled or where sound needs to be absorbed. This includes box beams and door jambs.

Bardahl Plastic Repair Foam offers a number of important advantages over, for example, a polyurethane foam (also foam-based). First of all, the expansion of Plastic Repair Foam takes place in a controlled manner. Polyurethane foam, on the other hand, continues to expand for a very long time and thus exert force. The expansion of polyurethane foam therefore takes place uncontrollably. As a result, materials may expand where they are not allowed.

Another important advantage of Bardahl Plastic Repair Foam is the fast drying time, with the immediate positive result that the processing times are fast. Finally, Bardahl Plastic Repair Foam absorbs 0% moisture.

In summary, the advantages are

- ✓ Soundproofing and insulation in one
- ✓ Fast curing
- ✓ Resistant to steam
- ✓ Compatible with almost all materials
- ✓ Paintable
- ✓ Solid structure
- ✓ Low specific gravity.

Plastic repair Foam

In the automotive industry, Plastic Repair Foam is used for reconstruction of damaged parts that were originally made of foam on the one hand, and for filling and insulating any type of cavity on the other. Thanks to its versatility, this product is used to join, fill, bond and insulate many different substrates.

The main applications are:

Installation and thermal insulation of door and window frames, thermal insulation of water pipes, bathtubs, thermo-hydraulic installations, etc.; Applications that require good acoustic and/or electrical insulation; Fastening of insulation panels such as polystyrene, extruded polyester, cork, etc.; Sealing and filling holes, cracks and cavities; Connections and watertight closures when working on roofs and walls; Reinforcement of roof tiles; bonding of corrugated sheets and tiles for coverings; Light and resistant components in model making.

Required parts to start

- Plastic Repair product
- Nozzles
- Plastic Repair Pistol
- Plastic reinforcement film
- Primer

Manual

The time it takes for the product to cure depends on 2 factors.

- The ambient temperature
- Thickness of the Plastic Repair layer

Analytical data

	Hard	Flexible	Transparent	Metal
Drying time	1 min	5 min	45 sec	20 min
Curing time	5 min	15 min	15 min	60 min
Full curing	240 min	480 min	180 min	12 uur
Maximum Exothermic Reaction Temperature	80C	50C	80C	30C

Plastic Repair Hard

Properties	Component A	Component B	Mixed
Chemical base	Polyol	MDI	Polyurethane
Cure Mechanism	-	-	Polyaddition
Mixing ratio by volume	1,00	1,00	-
Mixing ratio by weight	0,89	1,00	-
Colour	Black	Amber	Black
Appearance	Liquid	Liquid	Pasty
Viscosity	1000 mPas	800 mPas	50000 mPas
Relative density	1,04	1,20	1,12
Application temperature	+10 / +30 °C	+10 / +30 °C	-
Flashpoint	>200 °C	230 °C	-
Vapour Pressure	Very Low	0.000004 mmHg	-
Solubility in Water	Insoluble	Insoluble	-
Shelf life	12 month	12 month	-

Plastic Repair Flexible

Properties	Component A	Component B	Mixed
Chemical base	Polyol	MDI	Polyurethane
Cure Mechanism	-	-	Polyaddition
Mixing ratio by volume	1,00	1,00	-
Mixing ratio by weight	0,89	1,00	-
Colour	Black	Amber	Black
Appearance	Liquid	Liquid	Pasty
Viscosity	1500 mPas	1000 mPas	60000 mPas
Relative density	1,06	1,20	1,13
Application temperature	+10 / +30 °C	+10 / +30 °C	-
Flashpoint	>200 °C	230 °C	-
Vapour Pressure	Very Low	0.000004 mmHg	-
Solubility in Water	Insoluble	Insoluble	-
Shelf life	12 month	12 month	-

Plastic Repair Transparant

Properties	Component A	Component B	Mixed
Chemical base	Polyol	MDI	Polyurethane
Cure Mechanism	-	-	Polyaddition
Mixing ratio by volume	1,00	1,00	-
Mixing ratio by weight	0,89	1,00	-
Colour	White	Amber	White
Appearance	Liquid	Liquid	Pasty
Viscosity	1000 mPas	800 mPas	50000 mPas
Relative density	1,04	1,20	1,12
Application temperature	+10 / +30 °C	+10 / +30 °C	-
Flashpoint	>200 °C	230 °C	-
Vapour Pressure	Very Low	0.000004 mmHg	-
Solubility in Water	Insoluble	Insoluble	-
Shelf life	12 month	12 month	-

Plastic Repair Metaal

Properties	Component A	Component B	Mixed
Chemical base	Polyol	MDI	Polyurethane
Cure Mechanism	-	-	Polyaddition
Mixing ratio by volume	1,00	1,00	-
Mixing ratio by weight	0,89	1,00	-
Colour	Black	Amber	Black
Appearance	Liquid	Liquid	Pasty
Viscosity	1000 mPas	800 mPas	50000 mPas
Relative density	1,04	1,20	1,12
Application temperature	+10 / +30 °C	+10 / +30 °C	-
Flashpoint	>200 °C	230 °C	-
Vapour Pressure	Very Low	0.000004 mmHg	-
Solubility in Water	Insoluble	Insoluble	-
Shelf life	12 month	12 month	-

Plastic Repair Foam

Properties	Component A	Component B	Mixed
Chemical base	Polyol	MDI	Polyurethane
Cure Mechanism	-	-	Polyaddition
Mixing ratio by volume	1,00	1,00	-
Mixing ratio by weight	0,89	1,00	-
Colour	White	Amber	White
Appearance	Liquid	Liquid	Foam
Viscosity	800 mPas	800 mPas	15000 mPas
Relative density	1,04	1,20	1,12
Application temperature	+10 / +30 °C	+10 / +30 °C	-
Flashpoint	>200 °C	230 °C	-
Vapour Pressure	Very Low	0.000004 mmHg	-
Solubility in Water	Insoluble	Insoluble	-
Shelf life	12 month	12 month	-

Article number 79701 Hard
Content 50 ml

Article number 79711 Flexibel
Content 50 ml

Article number 79721 Transparant
Content 50 ml

Article number 79751 Metaal
Content 50 ml

Article number 79761 Foam
Content 50 ml

Toebehoren

Article number 00076 Plastic Repair pistool
Content 1 stuk

Article number 79731 Nozzle
Content 1 stuk

Article number 79741 Reinforcement mat
Content 1 stuk

Article number 79742 Plastic film
Content 1 stuk

Article number 79772 Primer
Content 1 stuk