



TECHNICAL DATA SHEET

PLASTIC REPAIR

Gerko plastic repair is a very fast curing, easy to use structural 2-part polyurethane adhesive which cures by a chemical reaction of the two components forming a durable polymer resistant to elevated temperature, moisture, fuel, many solvents and chemicals.

It is specially designed for small, quick, durable bonding and repair jobs. The use of the product yields a fast turnaround due to early sanding and painting capability.

Gerko plastic repair shows good sag resistance properties, allowing vertical application and offers excellent gap filling properties. In combination with a reinforcing mesh broken or missing bumper tabs can be rebuilt.

PHYSICAL PROPERTIES

Code	Description	Format	Colour	Pieces per box
PR01	Plastic repair fast (30 sec.)	50 ml	Black	1

NOMINAL VALUES

Plastic repair	
Chemical base	Reactive isocyanate prepolymer
Colour	Black
Specific gravity (g/cm ³)	~1,28
Viscosity (cps or mPas)	~60.000
Appearance	Sag resistant paste

TYPICAL CURE CHARACTERISTICS OF THE PLASTIC REPAIR

	Temperature	Time
Working time	@ 23°C	30 sec
Sanding time	@ 23°C	5 min
Clamp time	@ 23°C	2 min



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PHYSICAL PROPERTIES OF THE PLASTIC REPAIR

Shore D hardness	EN ISO 868 @ 23°C	63
Tensile strength	EN ISO 527 @ 23°C (MPa)	23
Young's modulus	EN ISO 527 @ 23°C (MPa)	420
Elongation at break	EN ISO 527 @ 23°C (%)	55
Glass transition temperature	ISO 11357 (°C)	65

APPLICATION GUIDE

To assure an on ratio dispense we recommend levelling the pistons by placing the opened cartridge in the dispenser and purge till material starts to flow from both cartridge chambers prior to attaching the mixer. After attaching the mixer tip and loading the cartridge into the dispense tool, pull the trigger at a constant and steady rate to force both prepolymer and curative through the mixer tip. It is recommended to discard the first 25 to 50 mm of dispensed material as it may be off-ratio. Sufficiently mixed on-ratio adhesive has a uniform black colour, is creamy, smooth and glossy.

The material in the mixer will become very difficult or impossible to dispense at about one-half of the open time. Either keep material flowing through the mixer during short periods of time adhesive is not needed or replace the mixer prior restarting dispense.

After having finished dispensing, leave the mixer in place till PR01 shall be used again. The remainder of the adhesive will have a shelf life of several weeks if stored properly. To start using PR01 again, remove the static mixer and dispose of properly. Carefully clean the cartridge nozzle, the products in the two chambers must be cleanly separated. If there is any black-tan mixing on either side dispense some product out of the openings with no mixer tip attached, until only single component product resides in each chamber. Finally attach a new mixer and start dispensing.

SHELF LIFE AND STORAGE

The product has a shelf life of 18 months in the originally sealed cartridge, when stored in an unopened container at a dry place indoors at 15 - 32°C.