

2-component adhesives



Properties

DIAMANT rapid

is a quick curing 2-component polymer adhesive with excellent adhesion and high resistance against chemicals, salt and lubricants.



It contains metallic or mineral fillers and can be applied on solid surfaces.

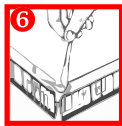
Fields of Application:

Adhesion ++

Metal (without zinc)
Glas,
Silicia,
Gemstone,
Porcelain,
Earthenware,
Concrete,
Stone,
Plaster,
Wood,
Plywood,
Formica,
Bakelite,
Melamine,
Fiber-reinforced polyester
Epoxy

Adhesion +

- Polystyrene
- ABS,
- Hard-PVC,
- Polyamide (Nylon),
- Acrylate (Perspex)



When using the syringe, both components are always dosed in the correct ratio.

Shelf Life

12 month

Package Sizes

twin gun	30g
duo pack	100g
	250g
	500g

Processing

Surface Preparation

Roughen surface and clean with **DIAMANT Cleaner** from rust, colour or other contaminations.

Mixing

Mix at a ratio of 1 : 1 by volumen quick and intensive.

Application

First apply a thin adhesion layer with pressure onto the surface.

By application on oily or greasy surfaces **DIAMANT rapid** has to be applied intensively with pressure to interpenetrate the Oil-film on top of the surface. Apply immediately afterwards the necessary layer thickness.

Processing Syringe

Mixing

Break off the ends of the syringe and squeeze out the necessary amount of **DIAMANT rapid** onto a clean board. Mix the compound well for about 2 min and repair the part.

Application

As described above.

Important

Close the syringe always with the cap.

Technical Data	Alu #1134	Stahl #1082	Ceram #0143
specific weight [g/cm ³]	1,4	1,6	1,5
pot life (+20°C) [min]	5	5	3
curing (light load) [min]	60	60	60
curing (full load) [h]	6	6	6
hardness [Shore D]	80	80	86
tensile shear strength [N/mm ²]	15	15	16,5
tensile strength [N/mm ²]	40	40	60
impact strength [N/mm ²]	5,0	5,0	5,0
E-Modulus [N/mm ²]	4000	4000	4000
bending strength [N/mm ²]	79	79	79
compressive strength [N/mm ²]	120	120	155
shrinkage after cure in %	0,01	0,01	0,01
peak temperature resistance (temporary) [°C]	max. +150°C	max. +150°C	max. +150°C
temperature resistance (permanent) [°C]	- 30 bis +150°C	- 30 bis +150°C	- 30 bis +150°C

All material values are average values and vary due to mixing ratio, material quantity and environmental conditions. The mentioned material values are based on normal conditions (STP) of 20°C (68°F) and 1013mbar (1013hPa).