

### 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.

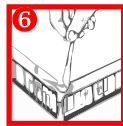
#### Fields of Application:

##### 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 <sup>3</sup> ]	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 <sup>2</sup> ]	15	15	16,5
tensile strength [N/mm <sup>2</sup> ]	40	40	60
impact strength [N/mm <sup>2</sup> ]	5,0	5,0	5,0
E-Modulus [N/mm <sup>2</sup> ]	4000	4000	4000
bending strength [N/mm <sup>2</sup> ]	79	79	79
compressive strength [N/mm <sup>2</sup> ]	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).