



DIAMANT UM1250 is a cold curing 2-component polymer metal with a very quick curing.

Due to the use of special raw materials and additives it is possible to carry out repairs shortly and under difficult service conditions. **Usable on oily surface!**

Fields Of Application

Repairs of

- ◆ Ship-, auto-, train- and other parts in the metal-working industry,
- ◆ especially for housings, pumps, containers, engine blocks, cylinder heads, gearboxes, cooler, impellers, etc.
- ◆ with perfect adhesion, load values and resistances against rust, weathering, even on wet or oily surfaces.

Application instruction

- ◆ **Mixing** - Mixing ratio 1:1 by volume
Pour the two components of **UM1250** together onto a clean board. Mix the compound properly until it comes to a constant color.
- ◆ **Application**
First apply a thin adhesion layer with pressure onto the surface.
By application on oily or greasy surfaces **UM1250** has to be applied intensively with pressure to interpenetrate the oil-film on top of the surface. Apply immediately afterwards the necessary layer thickness.
- ◆ **Important**
If using the syringe always close with the cap to be able to re-use the material later.

Technical Data	UM 1250
pot-life (+20°C) [min]	15
pot-life (+30°C) [min]	10
curing (+20°C) [h]	2
curing (+30°C) [h]	1,5
full curing (+20°C) [h]	4
fully curing (+30°C) [h]	3
specific weight [g/cm ³]	1,2
hardness (Shore D)	89
tensile shear strength (DIN 53 283 [N/mm ² / psi])	22
tensile strength (DIN 53 455) [N/mm ² / psi]	76
bending strength (DIN 53 452) [N/mm ² / psi]	89
adhesion strength [N/mm ² / psi]	25
compressive strength (DIN 53 454) [N/mm ² / psi]	160
impact strength (DIN 53 453) [N/mm ² / psi]	5,2
E-Modulus [N/mm ² / psi]	4000
shrinkage after cure (ASTM D 2566) [mm/cm]	0,004
temperature resistance (short-term) [°C]	-40/+150
temperature resistance (long-term) [°C]	-40/+100

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 (273K / 31,73°F) and 1013mbar (1013hPa).

Shelf Life

12 month

Package Size

50g - dual syringe
250g - cpl. box
500g - cpl. box