

DELOMET® 01 RAPID

Base

- epoxy resin
- two-part

Curing

- at room temperature
- very fast reaction
- higher temperatures accelerate curing

Use

- universally usable
- in machine and equipment manufacture
- in electrical engineering and electronics
- also for repairs and in the do-it-yourself sector

Application

- ready to use in small portion packets with spatula and mixing pallet
- cut open packet, empty out both components completely and mix or homogenise intensively approx. 30 s
- fast processing is required due to the short pot life of mixture
- surfaces to be bonded should be dry, free from dust, grease and other contaminants
- DELOTHEN cleaners are recommended for cleaning

Technical data

colour	yellowish transparent
filler	not filled
mixing ratio (A : B) by weight	1 : 1
density [g/cm ³] mixture at room temperature (ca. 23 °C)	1.18
viscosity component A [mPas] brookfield at 23 °C	12000
viscosity component B [mPas] at 23 °C	18000
viscosity mixture [mPas] brookfield at 23 °C	15000
pot life in 3 g preparation [min] at room temperature (approx. 23 °C)	5

processing time in 3 g preparation [min] at room temperature (approx. 23 °C)	4
maximum reaction temperature [°C] in 20 g preparation	150
curing time until firmness to touch [min] tensile/shear strength 1 - 2 MPa	10
curing time until functional strenght [h] tensile/shear strenght > 10 MPa	1
curing time until final strength [h] at room temperature (approx. 23 °C)	24
curing time until final strength [h] at +60 °C	1.5
curing time until final strength [min] at +80 °C	20
tensile/shear strength Al/Al [MPa] DIN EN 1465, sand-blasted join part thickness: 1.6 mm after 24 h at room temperature (ca. 23 °C)	17
tensile/shear strength Al/Al [MPa] DIN 54451, sand-blasted join part thickness: 6 mm after 72 h at room temperature (approx. 23 °C)	17
floating roller peel resistance St/St [N/mm] DIN 53289 according to EN 1465, sand-blasted join part thickness: 1.5 mm	2
temperature stability Al/Al at +100 °C [MPa] DIN 53286, sand-blasted join part thickness: 1.6 mm	1.5
tensile strength [MPa] DIN EN ISO 527	15
elongation at tear [%] DIN EN ISO 527	10
Young modulus [MPa] DIN EN ISO 527	500
shore hardness D DIN 53505	50
indentation hardness [MPa] ISO 2039, part 1	31
coefficient of elongation [ppm/K] corresponding to DIN 16946	50
water absorption [weight %] DIN EN ISO 62, 24 h at room temperature (approx. 23 °C)	2.6
chemical stability	very good
recommended long-time temperature range of use [°C]	-40 to +80
temperature resistance [°C]	210
creep resistance CTI VDE 0303, part 1, IEC 112	400 M

storage life

at room temperature (approx. 23 °C) in unopened original container

12 months

Recommendations**General**

The data and information above correspond to DELO's current know-how. They have been developed from laboratory tests and are based on extensive practical experience. They shall not release any customer from its duty to perform receiving inspections and to do test runs in view of any intended use, nor do they constitute a representation that any product will have specific properties or be suitable for any definite use.

Instruction for use

The instruction for use is available under following address: www.DELO.de. If requested we will also be pleased to send it to you.

Industrial health and safety standards

see material safety data sheet

Specification

see quality assurance certificate