

## TECHNICAL INFORMATION

### BEST-MK 2255

**BEST-MK 2255** is a DVGW-certified one component, solvent free, medium strength anaerobic curing adhesive based on Dimethacrylate ester. The viscosity is high viscous.

**BEST-MK 2255** is the standard product recommended for locking and sealing of pipe threads. Also recommended for locking and sealing of threaded fasteners, which require normal disassembly with special hand tools.

**BEST-MK 2255** is high viscosity. The high viscosity provides a good gap-filling ability and safe curing on the pipe threads but also prevents a leaking of the adhesive from the thread. In case of disassembly it is possible to loosen the thread without damage.

### PROPERTIES (liquid product)

Chemical Type	Dimethacrylate ester
Curing system	anaerobic
Colour	yellow
Strength	medium
Viscosity (Brookfield 25 °C) Sp. 4 / 0,5 U/Min	400.000 - 600.000 mPas/thix
Density (DIN EN 542)	1,1 x 10 <sup>3</sup> kg/m <sup>3</sup>
Thread sizes to	R3"
Bonding gap	0,10 – 0,25 mm
Thread friction	0,15
<u>Shelf life in unopened original container</u> (Storage temperature at 8 to 21°C)	24 months
<u>Shelf life in unopened original BULK</u> (Storage temperature at 8 to 16°C)	3 months

### CURING TIME @ 23°C

Fixture time	2 - 10 min.
Functional strength	2 - 3 hrs.
Total curing time	12 hrs.

**STRENGTH VALUES ( cured product)**

Compression/shear strength (DIN EN 15337)	16 N/mm <sup>2</sup>
Breakloose Moment (DIN EN 15865)	15 Nm
Breakaway Moment (DIN EN 15865)	10 Nm
Temperature range	-60°C to +150°C

**ENVIRONMENTAL AND CHEMICAL RESISTANCE**

(DIN 53287 - test in accordance to DIN EN 15865) in % of the initial strength after 1000h Chemical absorption

Water/Glycol at 87°C	85%
Motor Oil (MIL-L-46 152) at 125°C	95%
Unleaded Gasoline at 23°C	95%
Brake fluid at 23°C	100%
1,1,1 Trichlorethane at 23°C	95%
Ethanol at 23°C	85%
Acetone at 23°C	90%

For resistance against other chemicals, please check the chemical resistance listing.

**Industrial health and safety standards**

Hazard Statements: Causes serious eye irritation. May cause respiratory irritation. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/attention. Dispose of contents/container to disposal according to official regulations. General knowledge for safe handling of chemicals is recommended. Please consult EU – Safety Data Sheet for further information.

**General**

The data and information above correspond to the current know-how of BEST-Klebstoffe GmbH & Co. KG. Our information and data have been developed from laboratory tests and 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. BEST-Klebstoffe GmbH & Co. KG reserves the right to change the contents of this document as necessary.

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