

# Technical Datasheet



**Article No.** 12-45

**Article** Threadlocking medium strength

**Available sizes**  
50ml, 250ml, other sizes upon request



## Product description / Please note

VARYBOND® Grade 12-45 medium strength product with excellent resistance against chemicals and temperature. Cures very fast, even on galvanised surfaces and on stainless or high alloyed steel.

## Application

The parts should be dry, clean and free of any kind of grease so that the best result can be achieved. Apply directly from the bottle.

## Physical Properties

Liquid Product	
Chemical Base	Diester of Methacrylic Acid
Colour	blue / fluorescent
Viscosity mPas spindle rpm 1/20	5000 - 7000
Viscosity mPas spindle rpm 3/20	1500 - 2500
Density	1,12 g/m <sup>3</sup>
Max. thread diameter	M 36
Max. gap filling	0,25mm
Flash point	> +100°C
DVGW	DIN EN 751-1
NSF	NSF ANSI Standard 61
Shelf life	12 months at max. 25°C
Cured Product	
Initial strength after	5 - 15 minutes
Functional strength after	1/2 - 1 hour
Final strength after	1 - 3 hours
Loose break torque	~ 21 Nm
Prevealing torque (DIN 54454)	~ 10 Nm
Shear strength (DIN 54452)	> 20 N/mm <sup>2</sup>
Thermal range	-55°C up to +150 °C

## Storage / Shelf life

Package should not be mixed with other materials. Keep away from heat and sunlight. Shelf life is up to 12 months if stored correctly between 5 and 25°C. Package after emptying to be disposed via metal scrap.