PIPE SEALANT

Mid-strength product

Low-strength product with PTFE

Contents in g	Art. no.	PU/Qty.
50	**0893 577 050**	1

Contents in g	Art. no.	PU/Qty.
50	**0893 511 050**	1
250	**0893 511 250**	

Physical properties		
	Pipe sealant 0893 577 050	**Pipe sealant with PTFE 0893 511 050 0893 511 250**
Chemical characterisation	Dimethacrylic acid ester	Methacrylic acid ester
Colour	Yellow/fluorescent	White
Set to the touch after	15-30 minutes*	15-30 minutes*
Permanently set after	3-6 hours*	approx. 12 hours*
Break-loose torque	15–20 Nm (M10)	5-8 Nm (M10)
Residual torque after hardening	10-15 Nm (M10)	4-7 Nm (M10)
Compression shear strength after hardening	6–13 N/mm²	5-7 N/mm²
Temperature range	-55 °C to +150 °C	-55 °C to +150 °C
Usable strength after	1-3 hours*	
Max. thread diameter	R 3" (M80)	
Max. gap filling capacity	0.50 mm	

*material-dependent

Designation	Gas	Water up to +40 °C	Water from +40 °C to +65 °C	Water above +65 °C
Copper	X	X	–	–
Brass	X	X	–	–
Bare steel*	X	X	X	–

*Also hot-dip galvanised pipes with thread

X = suitable / – = not suitable

This information is only a recommendation based on our experience. Preliminary testing required.
For further information, refer to the technical information leaflet.

For sealing all metallic pipe couplings and fittings with conical/ cylindrical threads in accordance with DIN 2999

Certified quality

- Approved by German Technical and Scientific Association for Gas and Water (DVGW; reg. no. NG-5146BM0336+0037), tested in accordance with DIN EN 751-1
- Tested oxygen compatibility up to 60 °C and 10 bar oxygen pressure (pipe sealant)
- NSF-tested in accordance with NSF/ANSI 61

NSF A1 registered (No.: 135874), corresponds to USDA A1 requirements.

Immediate sealing up to 5 bar

- Tightened connections can be immediately loaded up to approx. 5 bar. After final hardening, they can be loaded up to the burst pressure of the pipes

High media resistance

- No reaction to most industrial liquids and gases

Solvent-free

Sealing compound does not leak out of thread

Quick and secure assembly

Resistance to chemicals and gases: refer to resistance list.

Application:

The threads must be dry, dust and grease-free. Tighten firmly (> 5 Nm). Thereafter, do not turn the thread further.

Note:

Not suitable for screw connections containing copper (brass, bronze, red brass) that come into contact with water > 40 °C. Not permitted for gas connections in buildings in Germany. **In accordance with TRGI '86/96.**

The thread must be cut in accordance with the standard. During hardening and once the product has hardened, the connections may not be rotated against each other, i.e. **readjustment is not permitted**.

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