



Pipe Seal

Medium-strength thread sealant for locking and sealing metal pipes and fittings.



Features & Benefits

- Yellow medium-strength thread sealant – designed for locking and sealing metal pipes and fittings
- Instant low pressure seal – up to 5 bar
- Increased oil tolerance – locks assemblies even when not completely clean
- Primerless on active and passive metals – saves time in the maintenance and repair operation
- High chemical resistance to most industrial liquids
- Non-hazardous – safe for the user and the environment
- NSF P1 registered – for use in food-processing environment
- **DVGW EN751-1 approved – for sealing metallic threaded joints of gas appliances, gas equipment and water heating equipment and drinking water**

P/N	Product	S/C	Packaging
86543	Pipe Seal	PSA	50 ml harmonica bottle
86545	Anaerobic Activator	ANAC	200 ml aerosol

Application

Pipe Seal is ideal for locking and sealing straight and tapered cylindrical metal threads up to M80 (R3"), and prevents loosening and leakage on vibrating assemblies. Pipe Seal is suitable for fast applications at low temperatures e.g. outdoor plant maintenance. Pipe Seal cures in the absence of air between close fitting metal parts - active metals such as brass and copper, and passive metals such as stainless steel, aluminium and plated surfaces. The curing speed varies depending on the surface. For increasing the curing speed, use KENT Anaerobic Activator. Pipe Seal can be applied on surfaces presenting traces of cutting oils, lubricants and protection liquids. **Not allowed in the gas installation according to DVGW-TRGI 2018.**

Instructions

1. Clean all threads with KENT Soft Surface Cleaner.
2. If required, apply KENT Anaerobic Activator on all threads and allow 30 to 60 seconds to dry.
3. Apply Pipe Seal on both parts.
4. Assemble as required. Don't move parts after assembling.
5. Functional strength is achieved in 3 to 6 hours depending on the nature of the surface and the size of the thread. Allow 24 hours curing time in order to achieve full strength.



Technical Information

General info

Base:	Methacrylate anaerobic resin
Consistency:	Thixotropic liquid
Colour:	Yellow
Shelf life:	12 months
Custom tariff code:	3506 99 00
VOC:	0 g/l

Cure mechanism:	Anaerobic
Viscosity (Brookfield):	20.000 - 40.000 mPas
Specific gravity:	1.09 - 1.13 g/ml
Maximum thread:	M80
Handling strength achieved:	10 - 15 minutes *
Functional strength achieved:	3 - 6 hours *
Full strength achieved:	12 - 24 hours *
Breakaway torque:	20 - 30 Nm
Application temperature:	+10° C to +40° C
Temp resistance :	-55° C to +180° C
Storage:	Store at temperatures between +5° C and +23° C

* Measured on M10 x 40 DIN 933 SW 17 nut and bolt (without initial load)

Chemical Resistance

Sulphuric acid 24% (battery acid):	Good
Hydrochloric acid 37%:	Good
Ketones:	Good
Diesel:	Good
Petrol:	Good
Alcohol:	Good
Glycols:	Good
Water:	Good
Salt water:	Good
Brake fluids:	Good
Motor Oils:	Good

For the complete list, please take contact with your KENT technical advisor. Information provided here is for reference only. The bonds tested were under laboratory conditions. Adhesive performance depends upon the specific chemicals tested, substrates bonded, surface preparation and environmental conditions in processing.

Certifications:	<ul style="list-style-type: none"> Food - NSF P1 155144 DVGW-approval according to DIN EN 751-1 Class H, registration number DG-5146BQ0294
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REV: 28/10/2022