



TECHNICAL DATA

ZYROBOND®

AN 3574

Anaerobic Gasketing Compound

AN 3574 is a quick curing, semi-flexible anaerobic gasket sealant, which develops medium strength in a short time. The excellent thixotropic properties prevent product migration during application and curing.

AN 3574 seals close fitting joints between rigid metal surfaces and flanges. The product provides vibration resistance, seals instantly and provides excellent resistance to low pressure immediately after assembly and possesses high resistance to chemicals, solvents, gas, liquid gas, water and hydrocarbons.

APPLICATIONS:

- Assembly of motor and drive housings.
- Sealing differential casings.
- Assembly of axle casings.

Adhesive Properties:

Composition:	Methacrylate Ester
Colour:	Orange
Viscosity: (Brookfield RVT Spindle 3 @ 20 rpm)	30000 - 100000 cps @ 25°C
Specific Gravity:	1.10
Gap Fill:	0.20 mm
Flash Point:	> 100°C

Curing Properties:

Working Time:		
without surface activation:	1 – 12 hrs.	
with surface activation:	15 min – 2 hrs.	
Tensile Shear Strength: (steel, sandblasted)	8.5 N.m.	ISO 4587
Tensile Strength: (steel, sandblasted)	5.0 N.m.	ISO 6922
Compressive		
Shear Strength: (steel rods and shafts)	>6.0 N.m.	ISO 10123 (Nach 24 Std./22°C)
Temperature Resistance:	-55 to +150°C	



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Physical Properties:

Coefficient of Thermal Expansion:	80×10^{-6}	ASTM D 696, K-1
Coefficient of Thermal Conductivity:	0.10	ASTM C 177, W/(m·K)
Specific Heat:	0.30	kJ/(kg·K)

Chemical Resistance:

Material	Temperature	% Initial Strength Retained	
		500 Std.	1000 Std.
Acetone:	22°C	100	95
Ethanol:	22°C	90	90
Motor Oil:	125°C	160	100
Petrol/Gasoline:	22°C	75	75
Brake Fluid:	22°C	95	95
Water/Glycol:	87°C	85	85

Instructions for use:

To achieve optimum results all surfaces must be treated (inside and outside) with a cleaner, which evaporates without leaving any residues. (If the surfaces to be bonded have been previously treated with an aqueous cleaner, it is to ensure that there is compatibility between cleaner and glue. In some cases these aqueous cleaner can affect the cure or the properties of the adhesive). Apply the product as a continuous track or by laminar screen process onto one flange side. To check the tightness after installation and before the complete curing of the product, a pressure test at <0.05 MPa can be used. The flanges should be screwed together as soon as possible after application in order to avoid a gap-producing product structure.

Cleaning: Insert the cured product in solvent and then mechanically remove.

For maximum pressure and solvent resistance, allow the product to harden for at least 24 hours.

Storage

Anaerobic adhesives should be stored in a cool, dry place at a room temperature between 8°C to 28°C. The shelf life is at least 1 to 2 years (depending upon storage conditions). Product residue should not be returned to the original container, in order to preserve the original properties.

Additional Information: 1.) Permanently installed connections may not be realigned. Should it be necessary to remove the thread, it must be completely removed and cleaned, then the fitting can be sealed again using a fresh product application. As a realignment of pre-assembled threaded connections is not possible, this product, along with other liquid or anaerobic sealants is not to be used for gas installations according to DVGW-TRGI. 2.) This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. Stress cracking can occur when used on thermoplastic. It is recommended to test compatibility on plastics before use.

General information: The information contained herein serves merely as an indication and is given to the best of knowledge. The users must test the suitability of the product for her/its/their respective application independently however. All products purchased from or supplied by Nohtec are subject to terms and conditions set out in the contract. Nohtec warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Nohtec is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Nohtec makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will infringe any patent.