

SAS 116 Threadlock

MEDIUM STRENGTH ANAEROBIC THREADLOCK ADHESIVE



PRODUCT INFORMATION

SAS 116 is a medium strength anaerobic adhesive suitable for all threadlocking applications. The cured adhesive prevents corrosion and leaks and has excellent vibration resistance. It is also resistant to damage from some chemicals, oils and solvents.

KEY INFORMATION

- Fast cure
- Prevents corrosion and leaks
- Provides superior vibration resistance – turning plain nuts into vibration-proof lock nuts
- Allows dismantling
- Resistance against some chemicals, oils and solvents
- Hardens at room temperature in the absence of air – clean up is easy as the product does not harden in the presence of air
- One component – no need to mix
- Eliminates the need for lock nuts and other locking devices

TYPICAL APPLICATIONS

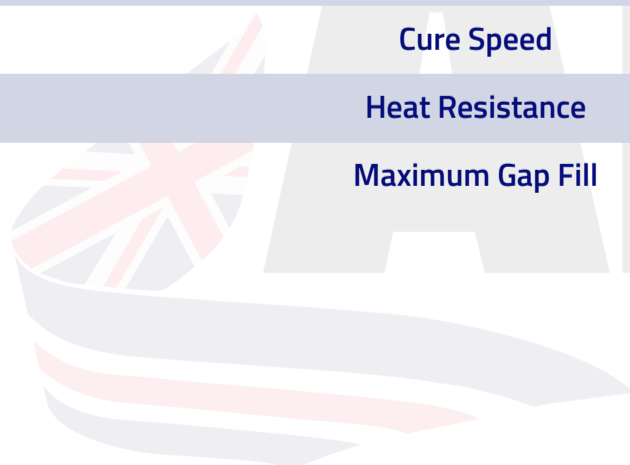
Alpha SAS 116 Threadlock is suitable for the following applications:

- Locking nuts, bolts and stud
- Hydraulic connections
- Thread fittings
- Counter sunk screws
- Gear box bolts / drive shafts

PRODUCT CHARACTERISTICS

The following technical information and data should be considered representative or typical only. Therefore, the information should not be used for specification purposes.

Property	Data
Colour	Blue
Base	Dimethacrylate
Consistency	Liquid
Total Solids Content	100 %
Viscosity (20°C, 50% RH)	1500 – 2500 cP
Specific Gravity (20°C, 50% RH)	1.056 – 1.060
Cure Speed	20 minutes
Heat Resistance	-50 to 150°C
Maximum Gap Fill	up to 0.1 mm



PRODUCT PERFORMANCE

The performance data presented here has been determined by Alpha Adhesives & Sealants Limited standard test methods and are average values that should not be used for specification purposes. Our recommendations on the use of this product are based on tests believed to be reliable. It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Test	Substrates	Results/Observations
Breakloose Torque	N/A	12-17 Nm
Prevail Torque	N/A	3-7 Nm

HANDLING & APPLICATIONS

The general application information presented here is based upon typical conditions determined by Alpha Adhesives & Sealants Limited testing. Our recommendations on the use of this product are based on methods believed to be reliable. It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Process Step	Guidelines
Surface Preparation	Make sure that the surfaces to be bonded are clean, dry and free from grease. Degreasing with a chlorinated solvent such as TN1239 is recommended.
Adhesive Application	<ol style="list-style-type: none">1. Apply SAS 116 directly from the container to completely fill the spaces between parts2. Twisting during assembly will help to spread the adhesive throughout the assembled joint.3. Once assembled, allow the parts to partially cure before handling.4. The setting time will vary according to temperature and type of surface. With mild steel, brass and copper surfaces, SAS 116 will generally set in approximately 20 minutes, with a practical cure in 24 hours.
Curing	Handling strength is achieved approximately 20 minutes after bonding. Full cure is achieved 24 hours after bonding. The speed of cure may be accelerated by heat.
Cleaning	Surplus adhesive can be removed with a suitable solvent cleaner such as Alpha TN1239.

HEALTHY & SAFETY INFORMATION

Alpha SAS116 is classified as hazardous according to Directive EC 1272/2008. Please refer to the Alpha SAS116 Safety Data Sheets for further health & safety information.

STORAGE

Alpha SAS116 should be stored in its original container with the cap securely tightened, in dry, cool conditions at temperatures below 25°C. Alpha SAS116 will keep satisfactorily for up to 12 months from date of manufacture if stored according to the recommended conditions.

PRODUCT AVAILABILITY

Product Reference	Pack Size	Container	Box Quantity
Alpha SAS116	10ml	Bottle	20
Alpha SAS116	50ml	Bottle	10

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