

A2577 – Technical Data Sheet



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Description

A2577 is designed for the sealing and locking of metal fittings and pipes. The product is a single component anaerobic, medium strength thixotropic, acrylic based product. The product cures when confined in the absence of air between close fitting metal surfaces and prevents leakage and loosening from vibration and shock.

Characteristics

Technology	Acrylic
Appearance (uncured)	Yellow
Chemical form	Dimethacrylate ester
Cure	Anaerobic
Fluorescence	Positive under UV
Secondary cure	Activator
Components	Single – requires no mixing
Viscosity	Thixotropic, high
Strength	Medium
Application	Thread sealing

Typical Properties of Uncured Material

Specific Gravity (25°C)	1.09
Viscosity	70,000-130,000 mPas
Flash point	See MSDS
Seal to operating pressure	4 hours

Typical Performance of Cured Material

	Typical value
Pressure resistance	10,000 psi
Operating temperature (After 24hr at 20-25°C on M10 steel nuts and bolts)	-54°C to 150°C
Breakaway torque M10 steel bolts and nuts ISO 10964	11 Nm
Prevail torque M10 steel bolts and nuts ISO 10964	6 Nm

Directions for use

1. For optimum performance surfaces should be clean and free of grease (internal and external).
2. If the material is an inactive metal consider using activator.
3. Shake the product thoroughly before use.
4. Apply the product to the male fitting on the leading threads in a 360° bead, leave the first thread free, making sure all voids are full. For bigger threads apply more product accordingly and putting a bead on the female.
5. Assemble and tighten as required.
6. Properly tightened fittings will seal to moderate pressures instantly. For maximum resistance allow a minimum of 24 hours to cure.

Disassembly

1. Remove with standard hand tools.
2. In circumstances where hand tools do not work, use localized heat to bolt or nut, disassemble while hot.

Cleaning

To remove cured product use a combination of solvent and abrasion such as a wire brush.

Precaution

1. Use with proper ventilation. Avoid contact with skin and eyes.
2. If contact with skin occurs, rinse with warm water or dissolve gradually with appropriate debonder.
3. Do not try to remove forcibly.
4. If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately.
5. Keep well out of reach of children.

Storage

Keep adhesive in a cool, dry place optimal storage 8°C-21°C is recommended unless otherwise labelled.

To prevent contamination of unused material, do not return any product to its original container. For specific shelf life information, contact Bondrite Adhesives Ltd.

Please consult the A2577 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

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