

PRODUCT DESCRIPTION

Delta 888 is a high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration

Delta 888 is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals.

APPLICATIONS

- Recommended hydraulic anaerobic sealant.
- Typical application includes metal and fiber plants, paper processing plants and chemical processing plants, waste treatment facilities, textile equipment and processing.

ADHESIVE PROPERTIES

ADHESIVE PROPERTIES	
Composition	Methacrylate Ester
Colour	Brown
Viscosity Brookfield RVT Spindle 3 @ 20 rpm	400 cps at 25°C
Specific Gravity	1.05
Flash Point	> 100°C
Solvent content	None

CURING PROPERTIES

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Handling Cure Time	10 - 30 minutes
Functional Cure Time	2 - 4 hours
Full Cure Time	24 hours
Breakaway Torque, ISO 10964: M10 steel nuts and bolts N·m	2.8 N·m 24 lb.in.
Prevail Torque, ISO 10964: M10 steel nuts and bolts	1.1010 N·m 9.0 lb.in.
Compressive Shear Strength, ISO 10123: Steel pins and collars	>10 N/mm ² >1,470 psi
Temperature Range	-50°C to 150°C

PHYSICAL PROPERTIES	
Coefficient of Thermal Expansion ASTM D 696, K-1	80 x 10 ⁻⁶
Coefficient of Thermal Conductivity ASTM C 177, W/(m-K)	0.10
Specific Heat, kJ/(kg-K)	0.30

Chemical	Temp	% Initial Strength Retained	
		500 hours	1000 hours
Acetone	22°C	100	100
Ethanol	22°C	95	90
Motor Oil	125°C	100	100
Gasoline	22°C	100	95
Brake Fluid	22°C	100	95
Water/Glycol	87°C	100	100

APPLICATION METHOD Surfaces should be dry, clean and free of any contamination. Apply 360° bead of the product to the leading threads of the male fitting, leave the first thread free. Force the material into the threads and voids, adjust product amount accordingly and apply 360° bead of product on the female threads also. Assemble and tighten as required.

STORAGE Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 5°C to 25°C. Please do not return any unused material in its original container.

HEALTH & SAFETY

- Classification: Xi irritant
- Keep out of reach of children
- Refer to product Material Safety Data Sheet (MSDS).

LEGAL NOTE The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Delta Adhesives Limited accepts no liability arising out of the use of this information or the products described herein.

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