

**PRODUCT DESCRIPTION**

Delta 510 is a high performance anaerobic gasket compound, which develops medium resistance to dismantling. The compound cures in the absence of air between close fitting metal surfaces.

Delta 510 is packed in a unique 'concertina' pack for ease of application. The thixotropic nature of the product coupled with a relatively fast cure give excellent characteristics for production of 'in situ' gaskets and seals. Provides resistance to low pressure immediately after application.

**APPLICATIONS**

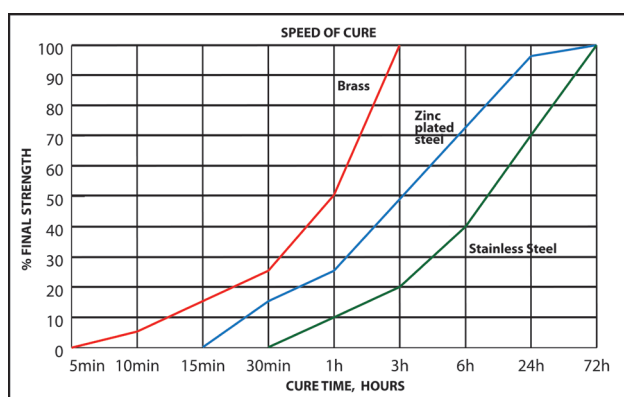
- Formation of high performance gaskets which are resistant to pressure, vibration and heat.
- Used to seal oil, gas, water, fuels and other industrial fluids.
- Particularly suited to automotive gasket application.

**UNCURED ADHESIVE PROPERTIES**

Nature	Methacrylic resin
Appearance	Orange Fluorescent
Viscosity	70.000/100.000 mPa.s
Specific Gravity	1,08
Flash Point	> 100°C

**CURING PROPERTIES**

The speed of cure will depend on two main factors, the type of materials and the ambient temperature. The graph below shows the strength developed with time on different kinds of metal. The different materials have been tested according to ISO 10964



The speed of cure will depend on ambient temperature, low temperatures will slow the cure times and higher temperatures will speed the cure.

The following data refers to tests carried out at 22°C, after 24 hours.

Breakaway Torque, ISO 10964	20/28 N.m
Prevail Torque, ISO 10964	15/20 N.m
Temperature Range	-50°C to +150°C
Max Gap Fill	0.35mm

**CHEMICAL RESISTANCE**

Chemical	Temp	% Initial Strength Retained		
		100 hours	500 hours	1000 hours
Test method DIN-54454, Breakaway torque % after immersion				
Water/Glycol	85°C	95	90	85
Brake Fluid	22°C	95	90	85
Motor Oil	125°C	95	90	90
Acetone	22°C	100	90	90
Gasoline	22°C	100	95	90
Trichloroethane	22°C	100	100	90

**APPLICATION METHOD**

- For best results, clean all surfaces (external and internal) with D406 Surface Prep Cleaner and allow solvent to evaporate.
- If the material is inactive metal or the cure speed is too slow spray with Anaerobic Activator D405 and allow to dry.
- Apply manually as a continuous bead or by screen-printing to one of the surface flanges.
- Low pressure can be used when testing to confirm a complete seal immediately after assembly.
- Flanges should be tightened as soon as possible after assembly to avoid shimming.

**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 NOTICE**

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 product described herein.

Delta Adhesives Limited, Units 39-40 Claycliffe Business Park,  
Cannon Way, Barugh Green, Barnsley, South Yorkshire, S75 1JU,  
Tel: +44 (0) 1226 381 571 email: sales@delta-adhesives.co.uk

