

# ThreeBond 1110H

## Liquid Gasket

ThreeBond **1110H** is a one component liquid gasket developed for sealing applications by preventing leakage of oils, water and gases under pressure at joining surfaces, it provides excellent resistance to contact fluids, shock and vibration. By maintaining its functionality over a wide range of temperatures and for an extended period of time it can improve the performance of equipment, extend the functional life and reduce the total cost.

### 1. Features

- Acrylate based resin
- One component solvent free
- Anaerobic curing
- Service temperature -50 / +150°C
- Sealing application

### 2. Properties

#### Before curing

Test	Results	Units
Colour	White	-
Viscosity at 25°C	35	Pa·s
Specific gravity at 25°C	1.05	g/cm <sup>3</sup>
Curing time Functional strength Full strength	1 ~ 2 24	hours
Optimum clearance	0.01 ~ 0.02	mm
Min and max clearance	0.005 ~ 0.1	mm
Maximum size	M20	-

#### After curing

Test	Results	Units
Compression strength At 25°C At 80°C At 150°C	> 12 > 10 > 9.5	MPa
Break loose torque	8 ~ 16	N.m

Test	Results	Units
Prevailing torque	2 ~ 16	N.m

M10 x P1.5, Steel

### Chemical resistance

Chemicals	Weight change	Units
Water (95°C x 24 h)	+ 0.3	%
Engine Oil (50°C x 24 h)	- 1.1	%
Petrol (100°C x 24 h)	- 0.9	%

### 3. Handling

- Before use, please refer to the safety data sheet.
- Prior to opening the container, let it reach room temperature to avoid condensation inside.
- To obtain optimal results, remove humidity, grease and other impurities from the surfaces to be assembled.
- Depending on the materials (dimensions and surface roughness), apply an appropriate and uniform amount of liquid gasket on the surface, then assemble rapidly.
- The product once transferred into another container should not be returned to the original one. Any excess product should be wiped out using a cloth.
- Keep the product in its original container, tightly sealed and store it in a dark, dry and well ventilated place at **10 ~ 25°C**.