

Higlue 518 Plane Sealant

Technical Data Sheet
Jiangxi Gooz Adhesive Co.,Ltd

Product name:HiGlue 518 Plane Sealant
Producer:Jiangxi Gooz Adhesive Co.,Ltd
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PRODUCT DESCRIPTION:

Higlue 518 is a medium-strength, general purpose gasketing product with excellent contamination tolerance. Ideal for use on casted iron, steel and aluminum flanges.

Higlue 518 cures when confined in the absence of air between close-fitting metal surfaces. It is an anaerobic gasketing material designed for use on rigid iron, aluminum, and steel flanged mating surfaces. Higlue 518 fills gaps up to 0.25mm and forms a flexible, chemical-resistant seal that will not tear or decay. Parts disassemble easily, even after extended service. Typical applications include sealing close-fitting joints between rigid metal faces and flanges. It is also used as a formed-in-place gasket on rigid flanged connections, e.g. transmissions and motor housings.

- Semi-flexible, medium-strength anaerobic flange gasket
- For active and inactive rigid metal flanges
- Cures through minor surface contamination
- Adapts to flange surface irregularities and gaps up to 0.25 mm
- Gel-type consistency
- Seals instantly against low pressure
- Reduces inventory costs – no need for large inventory of cut gaskets
- Resists high pressure when fully cured
- No compression set or misaligned gaskets
- Easy to automate
- Reduces process costs – eliminates manual assembly of conventional gaskets

PRODUCTION INFORMATION:

Model	Higlue 518
Color	Red
Fixture Time	25.0 min.
Gap Fill,Unprimed	0.25 mm

Key Characteristics	Fluorescent, For machined, rigid flanges, Immediate Low Pressure Sealing, Strength: Medium Strength, Surface Contamination-Tolerant, Thixotropic
Operating Temperature	-55.0 - 150.0 °C
Substrates	Metal: Aluminum, Metal: Iron - Cast Iron, Metal: Passive Metal, Metal: Steel
Viscosity	500,000~1,000,000 mPa·s (cP)
Capacity	50ml 300ml
Technology	Acrylic
Physical Form	Gel

DIRECTIONS FOR USE:

1. Preparation - Cleaning

Apply 790 to old gasket or gasket sealants and use a wood or plastic scraper to remove residues from flange surfaces. Remove burrs. It is recommended to use 7070 to degrease and clean surfaces prior to applying the sealant.

2. Preparation - Activation

If cure speed of 510 is too slow due to passive metals or low temperature (below 5°C), use SF 7649 activator. Allow to dry.

3. Application

Apply a continuous bead of sealant onto one flange surface. Place the bead close to the inner rim of the flange and encircle all bolt holes. Small surface scratches will be filled by the adhesive. 510 can also be applied by roller onto larger flanges.

4. Assembly

Assemble flanges and tighten bolts as soon as possible. Wipe away any excess squeeze-out, as this will not cure when exposed to air due to the sealant's anaerobic curing properties.

5. Disassembly

Disassemble bolts with standard hand tools. Use jacking-screws, cast-on bosses or recesses to lift flanges apart. Once disassembled, apply SF 790 on old sealant and use a wood or plastic scraper to remove residues from flange surfaces.

Clean-up

1. Cured product can be removed with a combination of soaking in a solvent and mechanical abrasion such as a wire brush.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8°C to 21°C. Storage below 8°C or greater than 28°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container.