

## Viton™ Adhesive and Caulk Sealant made with Viton™

**Adhesive:** This high performance two-part adhesive is made with Chemours Viton™ and provides users with all the advantages of the world's most famous Fluoroelastomer.

### Features

- a flexible multi-purpose adhesive & sealant.
- easy to mix and apply.
- good adhesion where others may fail at high temperatures.
- withstands temperatures of 200°C continuous with excursions to 300°C.
- specially patented cure system allows quick setting at room temperature.
- resists aggressive vapours, oils and extreme environments.
- chemical resistance as all other J-Flex premium products made from Viton™ (Full details upon request from our Chemours General Chemical Resistance Guide).

### Ideal Applications

- Glues metal to metal
- Bonding and sealing electrical harnesses
- Bonding oven door gaskets
- Cold splicing Viton™/fabric flue duct expansion joints
- Seal and repairs to fuel tanks to stop fluid leaks
- Bonds rubber to metal surfaces
- Bonds rubber to rubber (even EPDM)

### Details

Colour: Black  
Size available: US Quart tin (1 US Quart = 0.95L)  
Carriage: for hazardous goods

Full application details overleaf



### Caulk Sealant:

This quality Caulk Sealant, based on Viton™ Fluoroelastomer and produced in conjunction with The Chemours Company, is perfect for splicing fluoroelastomer parts, sealing gaps and flanges + sealing lined pipes. It can also be used safely in corrosive and hazardous environments as it will not easily erode.

Fluorodyn™ protects steel, concrete and brick from corrosion. Non-porous and low permeability, the sealant resists virtually all chemicals, acids and gasses - including Nitric, Sulphuric, Hydrochloric Acids at temperatures up to 250°C. It is also impervious to Aliphatic, Aromatic, Halogenated Hydrocarbons + Hot Oils, Water and Dry Heat. Ozone, U.V. Light, Salt Spray and Fungal Growth have little or no effect whatsoever.

The advanced compound system provides excellent corrosion resistance in the uncured state, as well as increased after curing to virtually all chemicals.

Fluorodyn™ is compounded with 75% solids making it an easy to apply, single component caulk needing no mixing and eliminates expensive waste traditionally associated with other 2 part systems.

### Details

Colour: Black  
Size available: 320ml Cartridge

Can easily be applied by trowel or with a standard applicator gun.

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**Disclaimer:** All recommendations and information contained in this specification sheet are to the best of our knowledge correct. Since conditions of service are beyond our control, users must satisfy themselves that the products are suitable for intended use. No warranty is given or implied in respect of information or recommendations or that any use of products will infringe rights belonging to other parties. In any event or occurrence our liability is limited to the invoice value of our goods delivered to you. We reserve the right to change product design and properties without notice.

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## Adhesive Application Instructions

### Mixing

Mix Adhesive with Accelerator at a ratio of 32:1 and mix well - leave to stand for 10 minutes and apply according to the following instructions.

### Surface Preparation

Surface must be thoroughly cleaned. Coat a test area to make certain of good adhesion. Prepare surfaces according to these guidelines.

#### Steel

Before sandblasting remove all traces of oil and grease using a suitable Detergent, followed by a clean water washing. All Steel surface should be sandblasted to white metal in accordance with NACE Specification #1. Dust and sand particulate should be removed by suitable means.

#### Aluminium

Surface must be roughed up either by sandblasting or mechanically to ensure a sufficient anchor pattern. Remove all oxidation. Dust and particulate should be removed. Wipe surface clean with Methyl Ethyl Ketone prior to application.

#### Flexible Materials

Rubber, plastics, fabric, etc., should be cleaned of surface contaminants. Belting splices must be stripped to fabric prior to application of adhesive.

#### Concrete - new surfaces

should have all construction dust and curing compound removed. Free of all loose contaminants.

#### Concrete - old surfaces

should be cleaned to remove any surface contaminants. J-Flex highly recommends hydroblasting or sandblasting prior to application.

### Application Method

Apply adhesive liberally to surface with a brush. Bond surfaces while adhesive is still "wet" - adhesive will skin over quickly. Product can be re-wetted with MEK or MIBK just before bonding parts. Clamp in place for 17 to 24 hours. For large surfaces a longer drying time may be needed.

### Curing Material

Curing will initiate in 17-24 hours. Final curing (like FKM post-curing) can be achieved with exposure to elevated temperature. (250°F - 300°F) for approximately 1 hour. If possible, Step Curing is recommended. Increase temperature 50° every 30 minutes once all solvent has evaporated. **Note:** Rapid increase in temperature will result in blistering of coating.

### Coating Storage & Shelf Life:

Mixed material pot life up to 8 hours.

When the uncatalysed material is stored properly in a moderate temperature environment the adhesive system (unopened) will normally have a shelf life of at least 12 months. However, the presence or exposure of this product to immoderate temperatures could decrease its shelf life accordingly.

To test we suggest that you mix a small amount and try it out. Make sure the adhesive has been thoroughly mixed to eliminate any settling that may have occurred during storage, before adding the accelerant.

## Sealant Application Instructions

### Surface Preparation

Priming is not usually necessary when surfaces are thoroughly cleaned. Coat a test area to make certain of good adhesion. Prepare surfaces according to these guidelines.

#### Steel

Before sand blasting remove all traces of oil and grease using a suitable detergent, followed by a clean water washing. All Steel surface should be sandblasted to white metal. Dust and sand particulate should be removed by suitable means.

#### Aluminium

Surface must be roughed up either by sand blasting or mechanically to ensure a sufficient anchor pattern. Remove all oxidation. Dust and particulate should be removed. Wipe surface clean with Methyl Ethyl Ketone prior to application. For additional adhesion surface can be primed with Chemloc 5150.

#### Flexible Materials

Rubber, plastics, fabric etc. should be cleaned of surface contaminants.

#### Concrete - new surfaces

Should have all construction dust and curing compound removed. Free of all loose contaminants.

#### Concrete - old surfaces

Should be cleaned to remove any surface contaminants. J-Flex highly recommends hydroblasting or sandblasting prior to application.

### Application Temperature

Fluorodyn Caulk made with Viton™ was designed to be applied at ambient temperature. J-Flex recommends testing prior to use.

### Application Methods

Caulk or trowel product to the desired thickness.

### Curing Material

Allow material to dry for 48 hours or longer if possible, depending on the thickness of application. After material is completely dry, step curing is recommended to vulcanise caulk. Increase temperature 50° every 30 minutes once all solvent has evaporated. Increase temperature to 250°F and hold for 1 hour. **Note:** Rapid increase in temperature and wet caulk, will result in blistering of caulk.

### Storage & Shelf Life:

Caulk should be stored in a cool dry area, refrigerated if possible.



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