

## Technical Data Sheet UV FOG 703

January 2017

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### Product Description

**Hernon® UV FOG (Form on Gasket) 703** is an EB/UV curable product that provides excellent adhesion to shaft seals, oil seals, metals, glass, ceramics and plastics. Can be used as a Form-in-place gasket in oil and coolant systems. Typical applications include Engine covers, Oil pans and other fluid seal systems.

### Typical Properties (Uncured)

| Property                | Value       |
|-------------------------|-------------|
| Appearance              | Amber       |
| Viscosity @ 25°C, cP    | 700 to 1000 |
| Tack Free Time, seconds | ≤ 5         |
| Specific Gravity        | 1.06        |
| Flash Point             | See MSDS    |

### Typical Properties (Cured)

| Property                    | Value                   |
|-----------------------------|-------------------------|
| Hardness, Shore A           | 10 to 25                |
| Temperature Range, °F (°C)  | -40 to 302 (-40 to 150) |
| Fixture time, glass / steel | ≤ 5 secs                |

### Shear strength, psi

| Substrate      | Value  |
|----------------|--------|
| Glass to Glass | >= 100 |
| Glass to Steel | >= 100 |

### Fluid Compatibility

Cured Material aged under condition indicated

| Fluids               | Temp (°C) | % Pliability after |       |        |
|----------------------|-----------|--------------------|-------|--------|
|                      |           | 72 h               | 500 h | 1000 h |
| Dextron III / VI ATF | 150       | 100                | 100   | 90     |
| Transmission Fluid   | 150       | 100                | 100   | 90     |
| Water                | 22        | 100                | 100   | 90     |
| Antifreeze 50/50     | 22        | 100                | 100   | 90     |
| Motor Oil            | 22        | 100                | 100   | 100    |
| Synthetic Motor Oil  | 22        | 100                | 100   | 100    |

### Directions for Use

Apply a small amount of material around the areas to be sealed. Apply enough material to fill the voids. Cure the material with a high intensity UV lamp for 3 – 5 seconds at 365 nm.

### Storage

**UV Fog 703** can be stored in a dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C) unless otherwise labeled. Avoid direct exposure to sunlight or fluorescent lighting. To prevent contamination of unused material, do not return any material to its original container.

### Cleanup

Uncured **UV Fog 703** should be cleaned up with absorbent material and placed in a closed container for disposal. Small areas can be cleaned up by curing the product prior to disposal by exposing the product to UV cure, light or sunlight. Afterwards the area can be scraped and washed with soap and water.

### Dispensing Equipment

**Hernon®** offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

### General Information

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).**

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