



DURLON®

HT1000® Paste

High Temperature Sealing Compound

HT1000® is a registered trademark of Triangle Fluid Controls Ltd.

Durlon® HT1000® Paste is a sealing compound designed to be used in conjunction with our HT1000® sheet material specifically for large dovetail gaskets. The paste allows end users to create larger diameter gaskets using cost effective dovetail gasket segments. The HT1000® Paste allows end users to eliminate possible leak paths of traditional dovetail gaskets, while providing end users the one piece gasket construction and lower leakage rates similar to one-piece gasket.

AVAILABILITY: 170 g (6 oz) and 90 g (3.2 oz) containers.

PASTE USAGE GUIDE:

HT1000® Paste is designed for use with HT1000® dovetailed gaskets.

Recommended Amount:

5 grams (0.18 oz) per inch of gasket cross-section per segment.

Example Calculation:

- Gasket Size: 60" ID x 66" OD (Cross-section: 3")
- Dovetails: 6 segments
- Paste Needed*: 5 g/in/segment × 3 in × 6 segments = 90 g (3.2 oz)

**Based on supplier input and internal experimentation.*

SHELF LIFE:

6 months in unopened container from the date it was packaged.

INSTRUCTIONS:

1. Make sure gasket segments are aligned and laying flat pre-assembled. Ensure that both the gasket and flange are free of debris, oils, and grease.
2. Open container of HT1000® Paste and apply a thin, even layer to the dovetail portion of the gasket, using a disposable brush or putty knife, smoothing out any uneven portions.
3. Assemble flange and tighten bolts according to gasket manufacturer's recommendations (torque, bolt-up method, etc.).
4. HT1000® Paste will begin to cure in service (Please see applicable Curing Time Chart to the right).

Physical Properties

Temperature:

Min

Max

260°C (500°F)

1,000°C (1,832°F)

Curing Time Chart

Curing Temperature

Required Cure Time

149°C (300°F)

4 Hrs

204°C (400°F)

3 Hrs

260°C (500°F)

2 Hrs

316°C (600°F)

1 Hr

371°C (700°F) or Higher

<1 Hr

Note: In high pressure gasket sealing applications or if ambient pressure testing is being performed, it is recommended that the HT1000® Paste be pre-cured with a heat source such as a heat gun or oven if available prior to putting the gasket into pressurized service.

STORAGE: Store in closed container in a cool, dry place (refrigerate for best shelf life). Keep away from open flames.

WARRANTY: The company assumes no liability for damage caused by this product other than purchase or replacement of this product. The responsibility for determining whether or not the product is suitable for use rest with the purchaser.