

## Technical Data Sheet Tuffbond<sup>®</sup> 310

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### Product Description

Hernon<sup>®</sup> Tuffbond<sup>®</sup> 310 adhesive/sealant is a two component, 100% solid system, two to one ratio, room temperature cure system. Tuffbond<sup>®</sup> 310 is recommended for bonding metals, wood, and ceramics.

### Typical Applications

- Bond Aluminum, Steel
- Encapsulating Carbon Steel and Aluminum
- Water resistant coating
- Low Shrinkage, Low Expansion, Low water absorption

### Product Benefits

- Excellent resistance to organic acids and bases.
- Good mechanical properties.
- Outstanding resistance to abrasion.
- Non-critical mixing.

### Typical Properties (Uncured)

Property	Part A	Part B
Base	Epoxy	Amine
Appearance	White	Black
Viscosity at 25°C, cP	200,000 to 350,000	13,000 to 23,000
Mix Ratio by Weight	2	1
Specific Gravity	1.34	1.15
Flash Point	See MSDS	See MSDS

### Typical Properties (Cured)

Property	Value
Working Life at 22°C (20g), hours	≤ 3
Shear Strength, G/B Steel 24 hr cure	≥ 1000 psi
Shear Strength, G/B Steel, 1 hr @100C	≥ 2500 psi
Hardness, Shore D, ASTM D2240	80 to 90
Temperature Range	-5 to 300°F (-20 to 149°C)

### 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).**

#### **Storage**

Tuffbond<sup>®</sup> 310 should be stored in a cool, dry location in unopened containers at a temperature between 50°F to 85°F (10°C to 30°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

#### **Dispensing Equipment**

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

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