

## 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	1.36	1.03

### Typical Properties (Cured)

Property	Value
Working Life at 22°C (20g), hours	≤ 3
Shear Strength, G/B Steel, 24 hours cure, psi	1500 - 2500
Shear Strength, G/B Steel, 1 hr @ 100C, psi	3000 - 4000
Hardness, Shore D, ASTM D2240	80 to 90

### 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 Safety Data Sheet (SDS).

### 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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