

## Technical Data Sheet Tuffbond<sup>®</sup> 316

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Page 1 of 1

### Product Description

Hernon<sup>®</sup> Tuffbond<sup>®</sup> 316 is a two component, room temperature cure system. By changing the ratio of resin and hardener, the cured adhesive can change from a tough and flexible to a hard and rigid system.

Tuffbond<sup>®</sup> 316 is recommended for bonding metal, glass, wood, concrete, and rubber, and can be used for potting and encapsulation of electrical and electronic components.

### Typical Applications

- Tank lining
- Chemical resistant flooring
- Marine coating
- Underwater coating
- Potting electronic boards
- Encapsulating electrical and electronic components

### Product Benefits

- Excellent resistance to organic acids and bases
- Good mechanical properties
- Outstanding resistance to abrasion
- Low temperature cure – Non-critical mixing

### Typical Properties (Uncured)

Property	Part A	Part B
Base	Epoxy	Amine
Appearance	Black	Amber
Viscosity at 25°C, cP	11,000 – 20,000	8,000 – 15,000
Specific Gravity	1.17	0.97
Mix Ratio by Weight	100	40 to 110

### Typical Properties (Cured)

Property	Value
Working Life at 22°C (100g), hours	2 to 3
Durometer Hardness, Shore D	70-75 (1:1 mix)
Shear Strength G/B Steel, 24 hr cure at 22°C, psi	2500 - 3500

### 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> 316 should be stored in a cool, dry location in unopened containers at a temperature between 45°F to 85°F (7°C to 29°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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