

Technical Data Sheet Tuffbond[®] 316

February 2012

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Product Description

Hernon[®] Tuffbond[®] 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[®] 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), minutes	80-100
Operating Temp., °F	-65 to 275
Durometer Hardness, Shore D	70-75 (1:1 mix)
Shear Strength G/B Steel, 24 hr cure at 22°C	≥ 2000 psi

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[®] 316 should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°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[®] offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon[®] Sales** for additional information.

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