

Technical Data Sheet

Tuffbond® 310

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Product Description

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

Typical Applications

- Bond Aluminum, Steel
- Encapsulating

Product Benefits

- Excellent resistance to organic acids and bases.
- Water resistant coating
- Low Shrinkage, Low Expansion, Low water absorption
- 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	1000 - 2500
Shear Strength, G/B Steel, 1 hour @100C, psi	2500 - 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® 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® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

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