

## Technical Data Sheet Tuffbond<sup>®</sup> 65891

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### Product Description

Hernon<sup>®</sup> Tuffbond<sup>®</sup> 65891 is a two component, room temperature cure system.

Tuffbond<sup>®</sup> 65891 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
- Good water resistance
- Outstanding resistance to abrasion
- Low temperature cure – Non-critical mixing

### Typical Properties (Uncured)

Property	Part A	Part B
Base	Epoxy	Amine
Appearance	Blue	Yellow
Viscosity at 25°C, cP	11,000-18,000	9,000-18,000
Specific Gravity	1.17	0.97
Mix Ratio by Volume	100	100

### Typical Properties (Cured)

Property	Value
Working Life at 22°C (20 gram), hours	≤3
Operating Temperature, °F	-65 to 275
Durometer Hardness, Shore D	70-80 (1:1 mix)
Shear Strength on G/B Steel, 24 hours at RT	≥3000 psi
Shear Strength on G/B Aluminum, 24 hours at RT	≥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 Safety Data Sheet (SDS).

### Storage

Tuffbond<sup>®</sup> 65891 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.

### Shelf Life

Tuffbond<sup>®</sup> 65891 is certified for 12 months from the date of shipment.

### 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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