

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

March 2011

Page 1 of 1

### 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	12,000-16,000	12,000-16,000
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 Temp, °F	-65 to 275
Durometer Hardness, Shore D	70-80(1:1 mix)
Shear Strength on G/B Steel, 24 hr at RT	≥3000 psi
Shear Strength on G/B Aluminum, 24 hr 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 Material Safety Data Sheet (MSDS).

### Storage

Tuffbond<sup>®</sup> 65891 should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 85°F (8°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.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. HERNON MANUFACTURING<sup>®</sup>, INC. shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Hernon's Quality Management System for the design and manufacture of high performance adhesives and sealants is registered to the ISO 9001:2008 Quality Standard.