

## Technical Data Sheet Tuffbond<sup>®</sup> 47195

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Page 1 of 1

### Product Description

Hernon<sup>®</sup> Tuffbond<sup>®</sup> 47195 is a low-density, toughened, 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> 47195 is used for potting and bonding metal, glass, wood, concrete, and rubber.

### Typical Applications

- Potting
- Bonding
- Coating
- Encapsulating

### Product Benefits

- Excellent resistance to organic acids and bases
- Good mechanical properties
- Outstanding resistance to abrasion
- Low temperature cure
- Excellent impact resistance
- Low specific gravity

### Typical Properties (Uncured)

Property	Part A	Part B
Base	Epoxy	Amine
Appearance	Off-white	Off-white
Viscosity at 25°C, cP	18,000 to 28,000	50,000 to 60,000
Specific Gravity	0.688	0.595

### Typical Properties (Cured)

Property	Value
Mix Ratio by Weight	1:1
Working Life at 22°C (1qt), minutes	40-60
Working Life at 22°C (100g), minutes	80-120
Operating Temp., °F	-65 to 275
Shear Strength, G/B Steel, 24 hr cure	≥ 1000 psi
Durometer Hardness, Shore D	40 - 50 (1:1 mix)

### 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> 47195 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<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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