

Technical Data Sheet Tuffbond[®] 47771

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Product Description

Hernon[®] Tuffbond[®] 47771 adhesive/sealant is a two component, 100% solid system, one to one ratio, room temperature cure system.

Typical Applications

- Tank lining
- Chemical resistant flooring
- Marine coating
- Underwater coating
- Potting electrical components

Product Benefits

- Excellent resistance to organic acids and bases.
- Good mechanical properties.
- Outstanding resistance to abrasion.
- Non-critical mixing.
- Excellent adhesion to a wide variety of substrates

Typical Properties (Uncured)

Property	Resin	Hardener
Chemical Type	Epoxy	Amine
Color	Black	Amber
Viscosity at 25°C, cP	60,000 to 75,000	60,000 to 75,000
Mix Ratio	1 Part	1 Part
Specific gravity at 25°C	1.1839	1.0043
Flash point	See MSDS	See MSDS

Typical Properties (Cured)

Property	Value
Working Life at 25°C, 1qt, minutes	40 to 60
Coefficient of thermal expansion, ASTM D696 (K ⁻¹)	76 x 10 ⁻⁶
Volume Resistivity, ohm-cm, ASTM D696	7.1 x 10 ¹²
Glass Transition Temperature, (Tg) °C	71
Flash-Ignition Temperature, °C, ASTM D1929	360
Spontaneous-Ignition Temperature, °C, ASTM D1929	460
Tensile Strength, psi, ASTM D638	5700 to 7100
Shear Strength, psi, ASTM D1002	2500 to 3500
Hardness, Shore D, ASTM D2240	75
Temperature Range, °C	-54 to 150

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[®] 47771 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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