



Manufacturer:
Hernon®

Product Name:
Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure (50ml)

Manufacturer Part Number:
TB302-50ML

▶ [Click here for more details on the Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure \(50ml\)](#)

TUFFBOND®

SINGLE & TWO PART EPOXIES

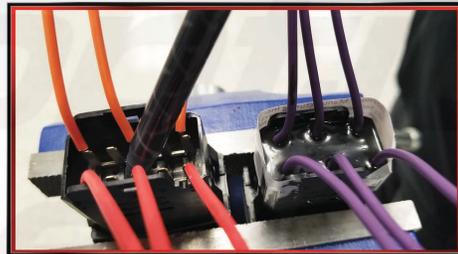
Hernon's Tuffbond® epoxies give superior strength, moisture, chemical and heat resistance. Curing mechanisms include two-component chemically reactive curing and single-component heat curing. By changing the ratio of resin and hardener, Tuffbond® epoxies can be adjusted to cure to tough yet flexible or hard and rigid.



**EXCELLENT FOR BONDING MAGNETS TO SPEAKERS & MOTORS;
OUTSTANDING POTTING CAPABILITIES!**

SIGNIFICANT FEATURES AND KEY ADVANTAGES OF TUFFBOND® EPOXIES

- Reduced Cost Per Application Over Alternative Fastening Methods
- Diffuses Stress Across The Entire Bonded Surface
- Bonds Using Lightweight Polymers
- 100% Active - No Solvents
- Seal And Fills Gaps At The Same Time As Bonding
- Water And Chemical Resistance
- Prevents Corrosion Of Bonded Assembly
- Apply Across The Entire Bonding Surface In One Step
- Custom Formulas Available Such As UV Curing Epoxies



POTTING ELECTRONIC COMPONENTS WITH BLACK TUFFBOND® 304



TUFFBOND® 321 OFFERS CLEAR & FLEXIBLE POTTING:

TYPICAL APPLICATIONS FOR TUFFBOND® EPOXIES:

- | | | |
|-------------------------------|---|-----------------------|
| • Tank Lining | • Encapsulating | • Bonding Magnets |
| • Structural Bonding | • Fiber-Optic Potting | • Potting Electronics |
| • Bonding Speaker Voice Coils | • Gel Coats For Chemical Resistant Flooring | |

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Data is subject to change without notice. FOC last update 1/15/2026.

▶ [Click here for more details on the Heron Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure \(50ml\)](#)

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TWO-PART TUFFBOND® TYPICAL VALUES						
GRADE	COLOR (MIXED)	VISCOSITY cP (MIXED)	WORKING LIFE (100g), MINUTES	HARDNESS, SHORE D	SHEAR STRENGTH, N/mm ² (psi)	CLICK FOR TDS
302	Off White	50000-60000	≤ 5	85-90	STEEL 1500-2500 ALUMINUM 1000-2000	✓
304	Black	11000-18000	4-7	80-90	STEEL 2500-3500	✓
305	Yellow	11000-17000	4-7	85-90	STEEL 2000-3000 ALUMINUM 1000-2000	✓
308	White	96000-128000	≥ 10 min @ 150°C	85-90	STEEL 4500-5500	✓
310	Gray	130000-240000	≤ 3 Hours	80-90	STEEL 1500-2500	✓
313	Light Yellow	18000-26000	40-60	70-80	STEEL 2800-4000	✓
315	Light Yellow	8500-11500	≤ 15	80-85	STEEL 2000-3000	✓
316	Amber	11000-20000	2-3 Hours	70-75	STEEL 2500-3500	✓
317	Amber	10000-20000	80-100	60-70	STEEL 3000-4000	✓
318	Amber	8500-11500	≤ 15	70 - 85	STEEL 1500-2500	✓
321	Light Yellow	10000-16000	3-4 Hours	25-35 (Shore A)	ALUMINUM 100-500 STEEL 100-500	✓
322	Pale Yellow	A: 10000-16000 B: 12000-18000	3-4 Hours	25-45 (Shore A)	STEEL 300-1000	✓
394	Amber	44000-56000	≥ 1.5 min @ 150°C	80-85	STEEL 2000-3500	✓
395	Amber	300000-360000	≥ 1.5 min @ 150°C	85-90	STEEL 2300-3300	✓
47771	Amber	60000-75000	40-60	70-80	STEEL 3500-4500	✓



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