

Speed Bond #1

Fast-setting, high-strength epoxy anchoring adhesive

Description

Speed Bond #1 is a fast setting, smooth consistency, two component epoxy gel adhesive designed to anchor dowel bars, anchor bolts, rods and pins into concrete. This 100% solids, paste consistency epoxy anchoring adhesive conforms to ASTM C-881 Type I and II, Grade 3, Class A, B and C.

Primary Applications

- Anchoring dowel bars, bolts, pins, etc.
- Bonding materials such as concrete, steel, wood, stone and masonry

Advantages

- Higher compressive, bond, and tensile strength than concrete
- Super smooth non-sag paste consistency (no grit)
- Moisture insensitive
- Good chemical resistance

Packaging

- 1:1 Quick Mix cartridges—case of 10
- 10 gallon units

Technical information: Physical properties at 73°F (23°C) - Liquid

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Consistency: non-sag paste

Color: concrete gray

Pot Life	60 grams	1/2 gallon	Tack free— 1/8"
90°F (32°C)	4 min	3 min	40 min
73°F (23°C)	8 min	7 min	1 hr, 30 min
50°F (10°C)	18 min	10 min	2 hr, 15 min

Test results		
Compressive strength	7,050	ASTM D-695
Compressive modulus of elasticity	230,000	ASTM D-695
Tensile strength	2,900	ASTM D-638
Tensile modulus of elasticity	167,000	ASTM D-638
Tensile elongation	1.8%	ASTM D-638
Bond strength - 2 day	3,337	ASTM C-882
Bond strength - 14 day	3,510	ASTM C-882
Shore hardness	85 D	D scale
Confined tension	2,456	ASTM E-1512
Damp hole installation	1,692	ASTM E-1512

Technical Datasheet



Test results (cont.)		
Elevated temperature	2,304	ASTM E-1512
Long term load (creep)	1,840	ASTM E-1512
Water absorption	0.7%	ASTM D-5710

Directions For Use

Mixing Ratio: A:B 1:1 by volume

Material Preparation: Store material to precondition to 70 - 80°F (21 - 27°C) prior to use.

Limitations: Cold temperatures will increase viscosity. Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely.

Storage & Clean Up

Storage: Store in dry environment between 40 and 80°F (4 and 27°C). Do not allow to freeze. Shelf Life: 1 year from date of manufacture in unopened containers properly stored. Protect from moisture.

Clean Up: Clean off skin with soap and water immediately. Clean uncured material from tools with Prime Flex Eco Flush.

Environmental Protection

Cured material is environmentally safe. Dispose of in according to appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Shipping

Shipping Class: Motor Freight Class 60
Hazard Classification: ORM-D

Health & Safety

Safety: Use OSHA-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only .

First Aid

Eye Contact: Immediately flush with large amounts of water.

Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately.

Skin Contact: Wipe off contaminated area and wash with soap and water immediately.

Manufacturing

Products manufactured by Prime Resins, Inc. in U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.