Technical Datasheet

Prime Gel 2200 Flexible

Flexible multi-purpose epoxy gel adhesive

Description

Prime Gel 2200 is an extremely smooth consistency two-component epoxy gel adhesive that won't sag, run or drip in vertical or overhead applications. This 100% solids multi-purpose adhesive is USDA approved.

Primary Applications

- General purpose flexible adhesive
- Bonding materials such as concrete, steel, wood, stone and masonry

Advantages

- Super smooth non-sag paste consistency (no grit)
- Remains flexible down to 40°F (4°C)
- Moisture insensitive
- Good chemical resistance
- USDA approved

Packaging

- 2 gallon unit

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)	30 min	22 min	3 hrs
73°F (23°C)	35 min	25 min	12 - 18 hrs
50°F (10°C)	1 hr 35 min	43 min	18 - 24 hrs

Test results		
Tensile strength	164	ASTM D-638
Tensile modulus of elasticity	154	ASTM D-638
Tensile elongation	88%	ASTM D-638
Bond strength	180 (tensile failure)	ASTM C-882
Shore hardness	35A	A scale
Coverage= 231 cubic inches per gallon		
Coverage= 370 cubic inches per gallon when mixed 1:1 by volume with Prime Blend Sand.		

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Test results (cont.)	
Coverage	231 cubic inches / gallon
Coverage	370 cubic inches / gallon when mixed 1:1 by volume with Premium Blend sand
	3” x 1/8”= 478 linear feet per gallon

Directions For Use

Mixing Ratio: A:B 1:1 by volume

Manual Mixing: Only mix the amount of material that can be used within the pot life. Thoroughly mix materials using a low speed drill with a mixing paddle. Scrape the sides and bottom of the pail while mixing. Note: Larger batches exotherm and set up faster than small batches.

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

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C) as ice crystals in the concrete will inhibit bond. Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely. Not for use as an exterior joint sealant.

Storage & Clean Up

Storage: Store in dry environment between 40 and 80°F (4 and 27°C). Do not allow to freeze.

Best If Used By: 2 years 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: Corrosive liquid N.O.S. (mixture of aliphatic and cycloaliphatic amines)

Health & Safety

Safety: “B” component contains amines and may cause severe burns upon skin contact for any length of time. 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.

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