

Technical Datasheet

Joint Shield 5000 Epoxy 80A



Semi-rigid epoxy joint filler

Description

Joint Shield 5000 is a heavy duty semi-rigid epoxy joint filler designed to fill and protect concrete joint edges and prevent sidewall spalling and chipping due to forklift traffic. This two-component, 100% solids epoxy conforms to USDA standards.

Primary Applications

- Industrial concrete floors

Advantages

- Heavy duty– will handle forklift traffic
- Easy 1:1 mix ratio
- Self leveling
- Flows into joints as narrow as 1/16"
- Conforms to USDA standards

Packaging

- 2 gallon units
- 10 gallon units

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

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

Viscosity: 2,300 - 2,500 centipoise

Color: concrete gray

Pot Life		
	60 grams	1 gallon
90°F (32°C)	11 min	6 min
73°F (23°C)	17 min	6 min
50°F (10°C)	25 min	32 min

Test Data		
Compressive strength	788	ASTM D-575
Tensile strength	392	ASTM D-638
Tensile elongation	40%	ASTM D-638
Adhesion strength to concrete	375 psi	ASTM D-4541
Shore hardness	80A	A scale
Water absorption	< 1%	ASTM D-570
Coverage	231 cubic inches per gallon. See 'coverage chart' for more information.	



Accessory Products

N/A

Directions For Use

Mixing Ratio:

A:B 1:1 by volume

Material Preparation: Pre-mix each component prior to combining. "B" component contains pigments, fillers and other chemicals that settle over time. Failure to properly pre-mix will result in uncured or improperly cured material. Only mix the amount of material that can be used within the pot life. To prevent bubble formation, avoid introduction of air into mixed material by controlling drill speed and mixing method. 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.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C). Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely. Do not use with backer rod.

Storage & Clean Up

Storage: Store in dry environment between 40° and 80°F (4.4 - 27°C). Do not allow product to freeze. Shelf life: 18 months from date of manufacture in unopened containers properly stored. Protect from moisture.

Clean Up: Clean off of skin with soap and water immediately.

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: UN1760

Hazard Classification: Class 8; corrosive liquids, n.o.s.

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.