

Technical Datasheet

Joint Shield 5100 Caulk Grade



Caulk grade semi-rigid epoxy joint filler

Description

Joint Shield 5100 is a two-component, heavy duty semirigid epoxy joint filler designed for vertical and overhead applications. This is a 100% solids, caulk grade joint filler that conforms with USDA standards.

Primary Applications

- Industrial concrete floors and walls

Advantages

- Paste consistency—will not run out of vertical or sloped joints
- Easy 1:1 mix ratio
- USDA approved

Packaging

- 22 oz. Quick Mix cartridges
- 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	15 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.	



Technical Datasheet



Accessory Products

1:1 pneumatic gun

Directions For Use

Mixing Ratio:

A:B 1:1 by volume

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

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: More Freight Class 60

Hazard Classification: ORM-D

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.

