

SealBoss®

6500 QuickFix Polyurea



Product Data Sheet Heavy Duty Polyurea Joint Filler

Product Description

SealBoss® 6500 QuickFix features new generation polyurea technology resulting in unique physical properties and high temperature range and cure time benefits. 6500 is a rapid-setting, self leveling, two component, 1:1 ratio, 100% solids, flexible, polyurea polymer product.

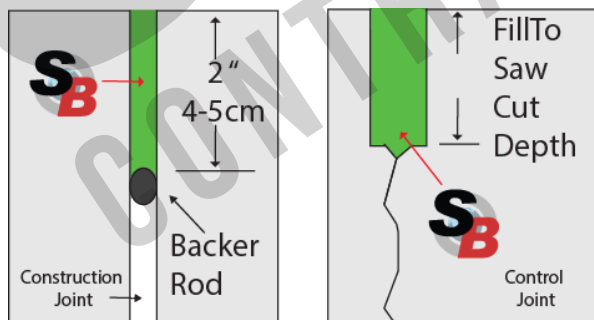
SealBoss® 6500 QuickFix is a high quality joint and crack filler for concrete substrates in applications that are time critical. It works well in adverse temperature conditions as the material cures in ambient temperatures from -28°C (-20°F) to 54°C (130°F). The tack free time is 5 to over 15 minutes depending on temperature. This permits to reopen the jobsite to traffic just one hour after application in most conditions.

Installation Guidelines

Clean the area of debris and contaminants, such as oils, loose materials, dirt, rubber etc., to allow for good adhesion of the product. Expose clean rough concrete for best results. If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Make sure the area is dry. All equipment, pumps and hoses must be dry. Avoid moisture contact with the mixture.

For bulk mixing, pre-mix each component thoroughly. Proportion equal parts by volume of Component "A" and Component "B" through appropriate metered mixing equipment. Mix only the quantity that can be used within 2 minutes and do not allow mixed material to reside in static mixing head or mixer for more than 1 minute or nozzle blockage may result.

Do not add solvents. They will prevent proper cure. Not for sealing cracks and joints under hydrostatic pressure or with extreme movement. Material is a vapor barrier after cure. Minimum age of concrete must be 21-28 days, depending on curing and drying conditions prior to applications. Exposure to sunlight (UV) may cause discoloration, however the physical properties are essentially unaffected. Product may exhibit bubbling and/or compromised adhesion in excessive concrete or ambient moisture levels. Ask your SealBoss® technician for details. The product is for professional use.



Maintenance of Equipment

Tools and equipment must be cleaned immediately after use. Remove all excess product. Cured product is hard to remove. **SealBoss® R70 Pump Flush** is a solvent free, non-flammable cleaner, lubricator, pump and hose conditioner. Please refer to the product data sheet for detailed information.

Fast Cure Joint Filler & Joint Repair System Clear, Grey and Custom Colors

SealBoss® 6500 QuickFix Applications

- **Class 5-9 Concrete Floors**, applications which receive heavy vehicle traffic, such as fork lifts or steel wheeled carts
- To fill cracks, damaged control joints, construction joints on horizontal concrete
- Highly flexible, allowing slab movement, yet strong enough to protect the vertical edges of concrete from spalling under heavy loading

SealBoss® 6500 QuickFix Advantages

- **Low Emitting Sealant/Filler**
100% Solids, VOC Free, Essentially Odorless
- Remains Flexible, Even in Cold Temperatures
- Return Project to Service in 60 Minutes
- Cures From -28°C / -20°F to 54°C / 130°F
- Reduced Moisture Sensitivity
- Resistant to Petrochemicals

Typical Application Environments

- Industrial Facilities
- Warehouse Floors
- Manufacturing Facilities
- Pulp and Paper Mills
- Bottling and Canning Facilities
- Airports
- Water and Waste Water Treatment
- Cold Storage Facilities
- Food Processing Facilities
- Freezers

Tips for Cartridge Users

- Shake cartridge prior to all applications and each time it is used for a minimum of 1 minute.
- Remove air from system - prime cartridge by slowly dispensing product from cartridge into mixer in vertical orientation until mixer is completely filled.
- Discard a small amount of product prior to application. Ratio may be slightly off when initial product travels through static mixer. Once uniform mixture is observed, product is ready for application.
- Do not apply to wet or damp substrates. Excessive moisture may cause bubbles or uneven reaction.

JointMaster Pro2 G3i Digital

Recommended heavy duty joint fill machine



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Technical Data

PHYSICAL PROPERTIES:

Color (A+B)
Viscosity (mixed)
Mix Ratio (by volume)
Pot Life 0.1 kg at 25°C / 77°F
Tack Free, Thin Film at 25°C / 77°F
Initial Cure at 25°C / 77°F
Final Cure at 25°C / 77°F
% of Elongation
Service Movement
Tensile Strength, psi
Bond Strength, fully cured
clean concrete, psi
Shore "A" Hardness
Resistance to Chemicals
Color Pack (Optional):
ISO Side:
PACKAGING:
1:1 ratio by volume units:
Shelf Life, Storage Conditions:
Disposal:

Chemical Resistance:

Test Procedure: ASTM D-1308 at 72°F

R=Recommend RC=Conditional,
some swelling or discoloration
N=Not Recommend

1=Some discoloration only

Acetic Acid 10 % R, Acetone C

Battery Acid (Sulfuric Acid) C

Brake fluid R, Chlorine (2,000ppm in H₂O)R

Citric Acid R, Gasoline R

Hydraulic Oil R-1, Methanol (5%) Gasoline C

Motor Oil R-1, Toluene C, Vinegar R

Water R

Health and Safety

Protect your health! Always use safety gear in compliance with OSHA and all applicable local and job-site regulations While working with products. Handling of this product may result in spills, splashes, and airborne substances. Wear appropriate safety goggles, gloves and safety clothing at all times. Consider property in proximity of the application to prevent loss or damage. Protect jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals! Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations. Get immediate medical attention as needed.

Charcoal Grey, Black, or Other

Self Leveling

1:1

30-60 sec standard

5-8 min

15 min

60 min

180-200

ASTM D-412

± 20%

900-1000

ASTM D-412

500

ASTM C-882

75-85A

ASTM D-2240

Resistant to Most Organic Solvents, Mild Acids, Alkali & Microorganisms

Add Color Pack to Component B

Component A is ISO-Side of the product

1 & 5 Gallon Units, Drums

22 oz cartridges (yields 39 cu in.)

1 year in original unopened container. Store at 55-95°F.

In accordance with all applicable laws and regulations. Empty containers must be drip free

Approximate Coverage Chart

Joint Size (US)	LF/Gal.	Joint Size (Metric)	M/Gal
1/8" x 11/2"	100	3 x 38	30
1/8" x 13/4"	85	3 x 44	26
1/8" x 2"	75	3 x 50	23
3/16" x 3/4"	135	5 x 19	41
3/16" x 1"	100	5 x 25	30
3/16" x 11/4"	85	5 x 31	26
3/16" x 11/2"	70	5 x 38	21
3/16" x 13/4"	60	5 x 44	18
3/16" x 2"	50	5 x 50	15
1/4" x 1"	80	6 x 25	24
1/4" x 11/4"	60	6 x 31	18
1/4" x 11/2"	50	6 x 44	14
1/4" x 13/4"	45	6 x 50	12
1/4" x 2"	40	9 x 25	15

Cartridge Material Consumption

Filling joint slots in given dimensions.

Feet per 22 oz. Cartridge

Width	1/4"	1/2"	3/4"	1"	1-1/4"	1-1/2"
Depth						
1/4"	52.9					
1/2"	26.5	13.2				
3/4"	17.6	8.8	5.9			
1"	13.2	6.6	4.4	3.3		
1-1/4"	10.6	5.3	3.5	2.6	2.1	
1-1/2"	8.8	4.4	2.9	2.2	1.8	1.5
1-3/4"	7.6	3.8	2.5	1.9	1.5	1.2
2"	6.6	3.3	2.2	1.6	1.3	1.1
2-1/2"	5.3	2.6	1.8	1.3	1.1	.87
3"	4.4	2.2	1.5	1.1	.87	.73



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