

SealBoss® QuickFix Joint Filler Technology is based on the most updated developments in polyurea, polyurethane, and epoxy formulations.

The **SealBoss® 6500 QuickFix** Line offers new properties in terms of application speed, low temperature cure, durability and feasibility. The **SealBoss® 6880 EP QuickFix** offers heavy duty properties at traditional gel times. The **SealBoss® 6060 QuickFix** provides high strength solutions to compliment the Joint Filler products.

To ensure a complete chemical cure, color and desired physical properties it is important to premix the product components each sufficiently, condition it to room temperature and to follow the preparation guidelines closely. As with any chemical product, the conditions during the application determine the quality of the results. Please read guidelines that help ensure a smooth fit and finish and longevity of your repair. Follow the basic application steps for successful joint filling and crack repair applications.

Timing For Product Installation

The American Concrete Institute (ACI) recommends minimum cure of 30 days before installing joint filler material to prevent adhesion failures, and to allow control and construction joints time to settle to their ultimate width through the concrete cure & shrinkage process. In a controlled freezer/cooler environment floors should be stabilized at general operating temperatures for 7 days prior to installation.

Installation should be done during the thermal contraction period of the concrete when it is colder. In hot climates morning hours suit that purpose. High concrete temperatures may accelerate cure process unevenly.

Preparation Of Joints And Cracks

It is essential that all cracks and joints are dry at the time of application. Presence of moisture from outside sources or internal concrete moisture content, can cause bubbling and blistering in the cured product. Such affected product must be cut, removed, and reapplied.

It is recommended that all cracks be chased and all joints be cut with dustless concrete saw with a diamond blade. The blade must be run along both joint walls (in one pass in narrow joints) to restore concrete surfaces to clean, bare condition. Joints must be completely free of concrete dust and other debris and must be cleaned to their full depth or 2 inch minimum. The absence of debris and freshly cut edges provide the necessary surface to which the polyureas adhere. Any crack and joint contamination and large variations in width

Saw-Cut Control Joints

Per American Concrete Institute, ACI 504R-12

- A minimum 3:2 (depth:width) shape factor is preferred
- Please refer to the ACI Guideline for detailed recommendations

Construction Joints

- Depth of joint to be 2" (50 mm)
- For joints exceeding 2" (50 mm) use backer rod or other approved method to create 2" (50mm) joint depth
- Do not use backer rod in joints with depths less than 2" (50mm)
- Joint width typically predetermined by engineer during planning and construction

and joint proportions may affect the physical properties of the material and joint dynamics and can lead to adhesive or cohesive separations. In most cases when detected early after a fresh installation, separation can be addressed with the addition of more material to the separated areas.

Note: In certain scenarios structural failures can cause crack and joint separations running the entire way through the repaired areas. This is not a product failure and must be addressed by structural strengthening of the slab or substrate.

Recommended: Double Pass Method

Many potential problems, such as uneven depth, moisture reactions and leakage into the substrate can be minimized by applying the jointfiller in two passes following in short sequence. The first pass should be a quick effort to apply an initial layer of product to the substrate and seal the surface. Any imperfections of the first layer will be covered with second, precisely applied pass minutes later when the filler meets the initial layer and now has a perfectly primed surface.

Types Of Joints

We differentiate **Saw-Cut Control Joints** (limited depth, cut into slab to prevent mainly shrinkage cracks) and **Construction Joints** (full slab depth between two concrete pours (forms) by design, to prevent mainly concrete expansion (thermal) cracks).

Post Installation

Do not remove material overfill prior to full cure. Filler profile must be flush with floor surface to provide proper joint protection. Use appropriate shaving or grinding tools. If filler is concave, a cap bead of additional product can be applied after roughening surface and cleaning with a solvent.

SealBoss®

6500 QuickFix Polyurea



Product Data Sheet
Heavy Duty Polyurea Joint Filler

Product Description

SealBoss® 6500 QuickFix is an advanced rapid-setting, self leveling, two component, 1:1 ratio, 100% solids, flexible, polyurea polymer product.

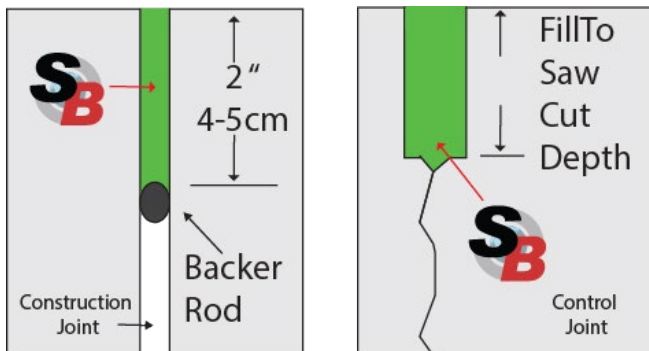
SealBoss® 6500 QuickFix is a high quality joint and crack filler for concrete substrates in applications that are time critical. It works well in adverse temperature conditions as the material cures in ambient temperatures from -28°C (-20°F) to 54°C (130°F). The tack free time is 5 to over 15 minutes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



SealBoss® 6500 QuickFix



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:

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

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.

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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SealBoss®

6060 QuickFix



Product Data Sheet
Spall & Crack Repair
Mender & Welder

SealBoss® 6060 QuickFix Applications

- Concrete and Asphalt 'Welding' Applications
- Traffic Area Spall, Crack & Pothole Repairs
- Grade Matching, Patching
- Fill & Repair before Coating
- Interior and Exterior use

Typical Projects

- Highway, Bridge, Driveway, Walkway, Playground
- Warehouse, Ramp, Parking Decks, Garages

Fast Cure, Low Viscosity Road & Highway, Floor Crack & Spall Repair System Concrete & Asphalt

SealBoss® 6060 QuickFix Advantages

- 100% Solids, VOC Free
- Produces High Strength Quickly
- Excellent Aggregate Bonding Properties
- Short 'Return to Service' Times
- Essentially Odorless
- Resistant to Petrochemicals

Product Description

SealBoss® 6060 QuickFix is an advanced polyurethane formulated, low viscosity, rapid set, high strength, ultra low viscosity, self leveling, two component, 1:1 ratio by volume, 100% solids repair material. This strong and rigid material has been designed to fix spalled concrete surfaces and cracks, and to rebuild damaged control joints effectively and quickly. SealBoss® 6060 QuickFix works for concrete and asphalt repairs. The product penetrates into small cracks and forms a high strength adhesive bond between broken structures with the benefit of sealing the base against further erosion from water in outside applications. The tack free time is 5 to over 15 minutes depending on temperature. Exposure to sunlight (UV) may cause discoloration, however the physical properties are essentially unaffected. SealBoss® 6060 QuickFix is slightly moisture sensitive and should be applied on dry surfaces. Please refer to our flexible products such as **SealBoss® 6500 QuickFix** for areas where movement is required. Ask your SealBoss® technician for details. The product is for professional use.

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 pot life 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. Minimum age of concrete must be 21-28 days, depending on curing and drying conditions prior to applications.

Deep Crack / Joint Application

Apply product to the bottom of the crack and work up in layers. First apply product, then deliver aggregate into the applied product. Add more product & aggregate. Repeat the steps until reaching the finished grade.

Aggregate

The use of approved non reactive aggregate with SealBoss® 6060 QuickFix will increase gel and cure times.

Aggregate must be free of moisture. In exterior applications, the use of dry silica sand (grit sizes from 12 to 60) will reduce discoloration from UV Rays. Certain gravel grades may be used on large applications. Ask your SealBoss technician for details.

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.

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.

Tips for Cartridge Users

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SealBoss® 6060 QuickFix



Technical Data

Mix Ratio by Volume, A:B
Color
Application Thickness
Hardness, Shore A at 70°F (21°C)
Tensile Strength, psi
Tensile Elongation, at 70°F (21°C)
Pot Life, min at 70°F (2°C)
Curing Time, hours at 70°F (21°C)
Solids Content
Shrinkage

1:1
Grey
> 1/8" (3MM)
A80-90 D-2240
1000-1300 D-638
50-70% D-638
15-20
24
100%
Negligible

PACKAGING:

1:1 ratio by volume units:
Shelf Life
Storage Conditions
Disposal

5 / 55 Gallon Kits
2 years in original unopened container.
Store at 50-90°F.
In accordance with all applicable laws and regulations.

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Fast Cure & Low Temperature Requirements

For fast cure and low temperature requirements please refer to the **SealBoss® 6500 QuickFix** Polyurea Joint Filler System.

Floor Spall Repair

For fast cure spall repair refer to the **SealBoss® 6060 QuickFix** Spall Repair System.



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