



# JOINTSHOT™

## TECHNICAL DATA SHEET

Rapid Setting, Self-Leveling, UV Stable, 100% Solids Polyurea Control Joint Sealant and Crack Filler for Exterior and Interior Applications

PRODUCT ID: JS001A, JS002B

### PRODUCT DESCRIPTION

JOINTSHOT™ is a two-component, rapid setting, self-leveling, 100% solids, polyurea joint sealant, and crack filler. It features a combination of excellent adhesion and elongation. JOINTSHOT™ is designed for exterior and interior joints and crack filling. It is used on control joints and cracks subjected to heavy foot traffic, forklift traffic, and chemical attack, specifically food acids. It is VOC Compliant in all states and provinces in North America.

### COVERAGE RATES

Installation coverage will vary with the application method, width, and depth of control joint to be filled. There are 231 cubic inches per gallon of JOINTSHOT™. (Theoretical coverage does not address wastage.)

Approximate Yield per 300 ml (10 fl. oz.) Cartridge		
Width Per Inch	Depth Per Inch	Linear Feet Per Cartridge
1/8	1/8	94
1/8	1/4	47
1/8	1/2	24
1/8	3/4	16
1/8	1	12
1/4	1/8	47
1/4	1/4	24
1/4	1/2	12
1/4	3/4	8
1/4	1	6
1/2	1/8	24
1/2	1/4	12
1/2	1/2	6
1/2	3/4	4
1/2	1	3
1	1/8	12
1	1/4	6
1	1/2	3
1	3/4	2
1	1	1

Approximate Yield per Gallon (3.79 liter)		
Width Per Inch	Depth Per Inch	Linear Feet Per Gallon
1/8	1/8	1200
1/8	1/4	600
1/8	1/2	300
1/8	3/4	200
1/8	1	150
1/4	1/8	600
1/4	1/4	300
1/4	1/2	150
1/4	3/4	100
1/4	1	75
1/2	1/8	300
1/2	1/4	150
1/2	1/2	75
1/2	3/4	50
1/2	1	37
1	1/8	150
1	1/4	75
1	1/2	37
1	3/4	25
1	1	19

### TYPICAL USES

- Control Joints and Crack Sealant
- Designed for Exterior and Interior Use.
- Use where UV Stability is required.

### BENEFITS

- Complies with USDA, FDA, Food Safety Modernization Act.
- LEED® and Green Seal® requirements.
- VOC and EPA Compliant in all states and provinces in North America. Cures to an inert finish.
- Chemical and Abrasion Resistance
- Designed for new floors and for resurfacing old floors

## LIMITATIONS

- This product is best suited for applications in temperatures between 60°F to 90°F (16°C to 32°C). Do not apply when Relative Humidity exceeds 85%.
- Higher temperatures and/or higher relative humidity will result in shortened working time and faster drying time.
- Color may vary due to batch-to-batch variation, always “box” different batches to avoid it.

## COLORS

Concrete Grey

## HANDLING & SAFETY

Warning! Eye and skin irritant. May cause dermatitis and sensitization. Always read and follow the product SDS. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, and spray. Use good ventilation.

## CONCRETE

Concrete must be structurally sound and free of curing agents, coatings, sealers, densifiers, and other bond breakers.

### New Concrete:

- Place concrete per ACI 302.2R Guide for Concrete Slabs that Receive Moisture-Sensitive Floor Materials.
- Water Cement Ratio 0.4 to 0.5, and an approximate 4,000 psi (28 MPa) strength level.
- Requiring a positive side moisture barrier in direct contact with the concrete meeting ASTM E1745 Standard Specification for Plastic Water Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.
- The moisture barrier needs to be placed per ASTM E1643 Standard Practice for Selection, Design, Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs, Class A 15 mils (0.38mm)

### Existing Concrete:

If field tests or laboratory analysis reveals inferior concrete flooring slabs containing contaminants from previously applied unreacted silicate materials that will interfere with the bond, use SLABLOC® 50.

- Contaminants include, but are not limited to organic hydrocarbon materials, calcium chlorides, and aluminum stearates.
- Concrete flooring slab can lose their structural strength over time, caused by conditions beyond the control of the flooring manufacturer or the installation contractor.

- If the concrete substrate deteriorates sufficiently, it will no longer support the bond of the remediation floor system.
- Such conditions are detailed in ACI 201.2R “Guide to Durable Concrete” published by the American Concrete Institute.

### Physical Properties at 77°F (25°C)

VOC (Volatile Organic Compounds), (VOC Calculated Per ASTM D3960)	55 gr./lt.
Mix Ratio, by Volume	1:1
Gel Time 75° F	25-35 seconds
Shelf Lie (Shipped & Stored) at 40° F to 100° F (4.4°C to 38 °C)	1 Year
Packaging Cartridge 300ml (10 fl.oz.) and 10 gal (37.9 liters)	

### Mechanical Properties at 77°F (25°C)

Surface Preparation ICRI 310.2R Concrete Surface Profile (CSP 2 and above) Depending on System to be Installed and Condition of Concrete.	
Tensile Strength, ASTM D412	1,700 - 2,000 psi
Tensile Elongation, ASTM D412	200% - 250%
Tear Strength, ASTM D624	220 – 280 pli
Hardness (Shore A) ASTM A2240	80 - 85

**Note:** Although testing is critical, it is not a guarantee against future problems. This is especially true if there is not a positive side vapor barrier or it is not functioning properly and/or concrete has contamination from oils, chemical spills, densifiers, excessive salts or other bond breakers.

## CHECK CONCRETE MOISTURE

The concrete must be dry before application of this floor coating material. Concrete moisture tests are required, either ASTM F1869 (calcium chloride) or ASTM F2170 (in situ RH probe).

## CHECK TEMPERATURE & HUMIDITY

Floor and material temperature must be at or above the published Technical Data Sheet. Dew Point must be 5°F (3°F) or more below the surface temperature. Do not apply if humidity is at or above 90%.

**SURFACE PREPARATION**

Surface preparation per: ICRI Guideline No. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair. The pH of the concrete substrate should be at 9 or above. All bond-breaking material must be removed.

**OPTIONAL ANTIMICROBIAL**

The antimicrobial additive is a non-heavy metal biocide that can be added during the manufacturing process. The antimicrobial agent can be added to the topcoat only for an economical application or it can be added to each step of the application, primer, body coat, and topcoat, which is recommended for abusive environments.

**MIXING**

For ease of mixing and placement, the temperature of the “A” and “B” components should be between 70°F to 80°F (21°C to 27°C).

**SHIPPING & STORAGE**

Ship and store material between 40°F to 90°F (4°C to 32°C). Store in a dry environment and out of direct sunlight.

**SHELF LIFE**

Shelf life is 1 year from the date of manufacture, provided the containers are unopened.

**CLEAN-UP**

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly confined spaces. Make sure the working areas are always well-ventilated during placement and curing time.

**DISPOSAL**

Dispose of empty packaging and other waste per federal, state, province, and local regulations.

**MAINTENANCE**

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong the life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes.

**TECHNICAL SUPPORT**

For questions, contact a Desert Polymer Flooring representative.

**LIMITED WARRANTY**

Desert Polymer Flooring warrants its products to be free of manufacturing defects and meets all Desert Polymer Flooring’s current published physical properties. Desert Polymer Flooring’s sole responsibility shall be to replace the portion of any product proved to be defective. There are no other warranties by Desert Polymer Flooring of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Desert Polymer Flooring shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Desert Polymer Flooring shall not be responsible for the use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee pertaining to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator will be issued. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Desert Polymer Flooring reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

**DISCLAIMER**

All technical bulletins, installation guidelines, guidelines, recommendations, statements, specifications, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for ones’ own use. The application, job conditions and user assume all risks and liability resulting from use of the product. We do not suggest or guarantee any hazards listed herein are the only ones, which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person

for any injury, loss or damage directly or indirectly resulting from use of, or inability to use the product. Recommendations or statements, whether in written or verbal, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Desert Polymer Flooring makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

**FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINERS TIGHTLY CLOSED.**

© 2021 Desert Polymer Flooring Inc. All rights reserved.  
REV201908