

Seal Bond® CS-5100 Expansion Joint Sealant

Description

Seal Bond® CS-5100 is a high performance single component interior or exterior joint sealant designed for use in both moving and non-moving joint applications. **Seal Bond® CS-5100** is *moisture-curing and produces high performance joints possessing both high strength and elasticity.*

Where to Use

Seal Bond® CS-5100 is used to seal horizontal and vertical expansion joints, in concrete and cementitious materials, such as:

- ▲ Sidewalks
- ▲ Balconies
- ▲ Warehouses
- ▲ Factory floors/walls
- Parking structures
- Commercial high rise buildings
- Bridges
- Roofs

Advantages:	Benefits:
One component	<i>No mixing</i>
Solvent and isocyanate free, 100% solids	<i>Safe to use, low shrinkage</i>
Permanently elastic	<i>Allows for movement</i>
Freeze thaw stable	<i>Storage and shipping flexibility</i>
Paintable	<i>Consistent color matching</i>
Low odor	<i>Safe to use in confined areas</i>
Gunable at low temperatures	<i>Consistent ease of use</i>
Extremely low VOC (LEED Compliant)	<i>Environmentally friendly</i>
Mildew resistant	<i>Remains clean and durable</i>
U/V protected	<i>Excellent weathering characteristics</i>

Packaging:

10.3 fluid oz (305 ml) cartridges
28 fluid oz (830 ml) cartridges
5 gallon (19 l) pail
20 fluid oz (591 ml) sausages

Colors: Gray, White, Black, Natural
Custom Textures available

Physical Properties:

Composition: Proprietary Hybrid Polymer

Consistency: Paste

Odor: Nil (mild Ester)

Specific Gravity: 1.5

Weathering Resistance: Excellent

Test Data

Elongation at break	450%	ASTM D-412
Tensile	200 psi	ASTM D-412
Hardness Shore A	35	ASTM C-661
Shear Strength	110 psi	ASTM D-1002
Tack Free Time	35 min	ASTM C-679
Slump (sag)	None	ASTM C-639
Shrinkage	No measurable shrinkage after 14 days	
Low Temperature Flex 20°F	- Pass	ASTM C-711
Service Temperature	-40°F to 200°F, continuous service	Temporarily resistant to 390° F

Storage and Shelf Life

Unopened containers should be stored in a cool, dry environment between 60°F and 80°F, and protected from water, heat, and direct sunlight. Shelf life when properly stored is ten months from date of manufacture.

Application Instructions

Surfaces should be clean and free of dirt, dust, grease, oil and other contaminants. Frost or pooled water on surfaces should be removed before application. **Seal Bond® CS-5100** should be conditioned to room temperature before use. This product can be used at temperatures as low as 30 degrees F.

Clean-Up

Remove uncured **Seal Bond® CS-5100** from surfaces with a cloth and mild solvent, such as mineral spirits, as required. Clean tools with solvent in a well-ventilated area, away from sparks and open flames. Cured **Seal Bond® CS-5100** may require abrading, or grinding, for removal.

Compliances

ASTM C920, Type S, Grade NS, Class 25/25, Uses NT, M, T, A, G and O.
 Federal Specification TT-S-001543A, Type II, Class A, Type Nonsag
 Federal Specification TT-S-00230C, Type II, Class A
 Canadian Standards Board CAN 19, 13-M87 Type 2
 USDA Compliant for non-contact use in areas involving meat and poultry

Joint Width (in)	Joint Width (mm)	Joint Depth (in)	Joint Depth (mm)
1/4-1/2	6-13	1/4	6
1/2-3/4	13-19	1/4-3/8	6-10
3/4-1	19-25	3/8-1/2	10-13
1-2	25-50	1/2	13

YIELD LINEAR FEET PER GALLON – Approximately 12.5 cartridges per gallon

Inches	1/4	3/8	1/2	5/8	3/4	7/8	1
1/4	308	205	154	122	-	-	-
3/8	-	-	-	82	68	58	51
1/2	-	-	-	-	51	44	38

LIMITED WARRANTY

Seal Bond warrants that our products are manufactured and conform to strict quality assurance specifications. Improper use or storage may void warranty. Buyer understands that it is their sole responsibility to test and determine the suitability of the product for their practical purposes. Buyer's sole remedy for breach of warranty shall be strictly and exclusively limited to a refund of up to 100% of the purchase price of the non-conforming goods. This is the sole and exclusive remedy and liability for defects or failure of this product. This warranty is in lieu of all other warranties, written or oral, statutory, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Manufacturer shall not otherwise be liable for losses or damages related to application methods and uses, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability. For complete warranty information visit www.seal-bond.com