INSTALLATION GUIDE

SPLICE SEAL™

REBAR SPLICE PROTECTOR SLEEVE

US Patent #6,265,065

Unlike epoxy patching, there is no ambient temperature limitation to consider and no hazardous waste disposal when you use SpliceSeal™

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REBAR SPLICE PROTECTOR SLEEVE

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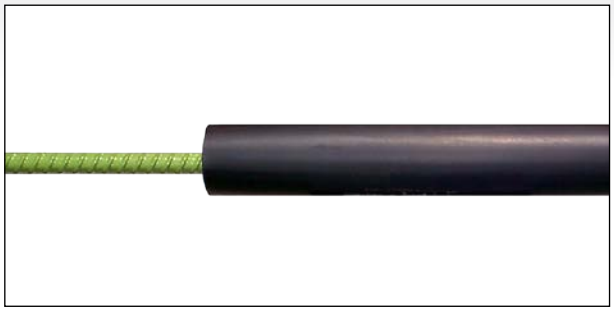
SpliceSeal™ Shrink Tube Protector is a corrosion protector sleeve for rebar. Used primarily for mechanical coupler reinforcement systems for black bar or epoxy coated rebar systems used in any concrete structure, bridges, or heavy highway paving.

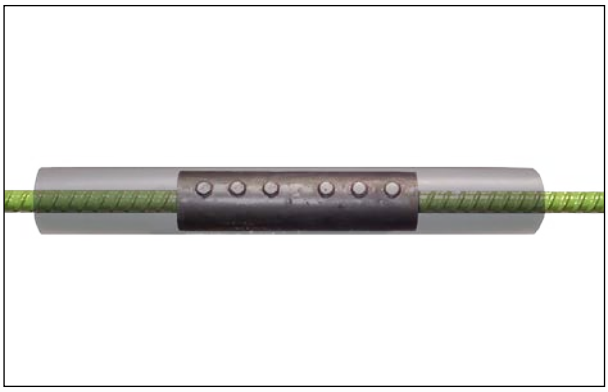
SpliceSeal™ is an engineered composite material with specially formulated glue that bonds to the rebar with or without epoxy. This allows fast and efficient sealing of joined reinforced bars, lapped, welded, or joined with mechanical couplers without the use of volatile epoxy coatings.

THE INSTALLATION PROCESS



1. Slide SpliceSeal™ tube onto rebar prior to coupling.

2. Connect Coupler then, preheat intended SpliceSeal™ area to be covered.



3. Slide SpliceSeal™ an equal length of a min. 7.6 cm. on both sides of the coupler. Temporarily secure using tape or tie wire.

4. Warm SpliceSeal with a "rose bud heating torch tip". Evenly distribute heat throughout the circumference of the SpliceSeal™ by constantly moving torch. Make sure not to burn the SpliceSeal™

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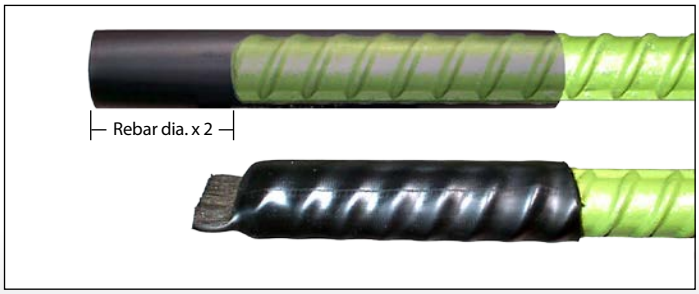
AFTER REBAR COUPLING OR REPAIRING DAMAGED REBAR EPOXY COATINGS

1. Select the SpliceSeal™ size based on the diameter of bar and/or coupler being sealed. Cut the selected SpliceSeal™ lengthwise in order to slip over existing repair area.
2. Center the SpliceSeal™ over the area to be covered and temporarily secure with tape or tie wire.
3. See "The Heating Process" section to complete the SpliceSeal™ protection. Note: If damaged area is longer than the selected SpliceSeal™, use as many of the selected units as necessary to cover the damaged area.

Note: Overlap the units a minimum of 7.6 centimeters.

SEALING REBAR END CORROSION



1. Multiply rebar diameter 2x to equal overhang length.
2. Temporarily secure SpliceSeal™ using tape or tie wire.
3. See "The Heating Process" section.
4. While still hot, pinch the loose end of the SpliceSeal™ with pliers to ensure closure. Trim if necessary.

THE HEATING PROCESS

Heating Source: There are many options when choosing a heat gun. Milwaukee #8980 Heat Gun (Electrical) or Bernz-O-Matic "Sure-Fire" T751 (Propane) are two of the many heat gun options available today.

Pre-Heating Process: The portions of the bar and coupler that will be in contact with the ***SpliceSeal™***, should be pre-heated to a minimum of 212° F (100° C).

Max Temp: The epoxy coating on the reinforcement should not be heated above 250° F (121° C).

Timing: ***SpliceSeal™*** should be applied before the pre-heated area has cooled below the minimum pre-heat temperature.

Uniform Heating: Heat from the center of the spliced region outward until the tubing is completely shrunk and the mastic material is protruding from both ends of the tubing. Insure the heating method does not burn or damage the ***SpliceSeal™***.

Cold Weather Conditions: For larger sized bar, or during cold weather periods, any "soft flame" source, such as a rose bud tip used with oxyacetylene, may be used.

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STANDARD COUPLER TYPE	REBAR SIZE	SPLICE SEAL CODE	SPLICE SEAL DESCRIPTION
BarSplice BarGrip XL	3, 4	SS-1.1x12	SpliceSeal 2.8 cm. id by 30.5 cm. long
	5, 6	SS-1.5x12	SpliceSeal 3.8 cm. id by 30.5 cm. long
	7, 8, 9	SS-2.0x16	SpliceSeal 5.1 cm. id by 40.6 cm. long
	10, 11	SS-3.0x16	SpliceSeal 7.6 cm. id by 40.6 cm. long
	14	SS-3.0x24	SpliceSeal 7.6 cm. id by 61.0 cm. long
	18	SS-4.3x24	SpliceSeal 10.9 cm. id by 61.0 cm. long
Dayton Barlock "L" Series	4, 5	SS-2.0x12	SpliceSeal 5.1 cm. id by 30.5 cm. long
	6, 7	SS-2.0x16	SpliceSeal 5.1 cm. id by 40.6 cm. long
	8	SS-3.0x24	SpliceSeal 7.6 cm. id by 61.0 cm. long
	9, 10, 11	SS-3.5x24	SpliceSeal 8.9 cm. id by 61.0 cm. long
	14	SS-4.3x32	SpliceSeal 10.9 cm. id by 81.3 cm. long
Erico's Lenton Standard (A2) Taper Threaded	4	SS-1.1x6	SpliceSeal 2.8 cm. id by 15.2 cm. long
	5	SS-11.1x8	SpliceSeal 2.8 cm. id by 20.3 cm. long
	6	SS-1.5x8	SpliceSeal 3.8 cm. id by 20.3 cm. long
	7, 8	SS-1.5x12	SpliceSeal 3.8 cm. id by 30.5 cm. long
	9, 10, 11	SS-2.0x12	SpliceSeal 5.1 cm. id by 30.5 cm. long
	12	SS-2.75x12	SpliceSeal 7.0 cm. id by 30.5 cm. long
	14	SS-3.0x12	SpliceSeal 7.6 cm. id by 30.5 cm. long
	18	SS-3.5x16	SpliceSeal 8.9 cm. id by 40.6 cm. long
HRC 500/510 Series	4	SS-1.5x8	SpliceSeal 3.8 cm. id by 20.3 cm. long
	5, 6	SS-2.0x8	SpliceSeal 5.1 cm. id by 20.3 cm. long
	7	SS-2.0x095	SpliceSeal 5.1 cm. id by 24.1 cm. long
	8, 9	SS-3.0x095	SpliceSeal 7.6 cm. id by 24.1 cm. long
	10	SS-3.0x12	SpliceSeal 7.6 cm. id by 30.5 cm. long
	11	SS-3.5x12	SpliceSeal 8.9 cm. id by 30.5 cm. long
	14	SS-4.3x12	SpliceSeal 10.9 cm. id by 30.5 cm. long
	18	SS-4.3x16	SpliceSeal 10.9 cm. id by 40.6 cm. long

For different coupler types and manufacturers, please contact RJD Industries for SpliceSeal™ size(s)

Technical questions: info@rjdindustries.com

Spice Seal is sold exclusively through quality construction materials dealers. Scan the QR code to see our distributor locations or just call us for the name of the dealer nearest you.

Transport Canada
Canada

SpliceSeal™ does not contain hazardous wastes requiring disposal. SpliceSeal™ has been approved by U.S. DOT and Canadian Government Engineering Divisions. Exclusion apply call us for more information.