

# PRODUCT DATA SHEET

## BCRS Spike: For insulation and membrane attachment in concrete

BCRS Spike is a one piece expansion anchor for use in concrete, block, brick or stone. As the anchor is driven into the hole, the expansion mechanism is compressed and flexes to accommodate the size of the hole. This patented design offers these technical advantages:

- Pre-expanded - no secondary operations required
- Will not loosen due to vibratory loads



<b>BCRS Spike</b>	
<b>Material:</b>	Grade 8.2 carbon steel
<b>Shank Diameter:</b>	1/4"
<b>Head Style:</b>	Mushroom
<b>Head Diameter:</b>	0.437"
<b>Head Height:</b>	0.109"
<b>Coating:</b>	PermaSeal
	Exceeds FM 4470 for corrosion protection.

<b>Pull-out Load</b>	Pred-drill dia. 1/4"	
<b>3000 psi Concrete</b>		
embed. 7/8"		820 lbs.
embed. 1"		975 lbs.
embed. 1 1/4"		1100 lbs.
<b>4000 psi Concrete</b>		
embed. 7/8"		945 lbs.
embed. 1"		1135 lbs.
embed. 1 1/4"		1550 lbs.

<b>Size</b>	<b>Min. Embed.</b>	<b>Bondcote Style</b>	<b>Pieces/Pkg</b>	<b>Weight/Box</b>
1/4" x 1 1/4"	7/8"	N/A	500	12
1/4" x 1 1/2"	1 1/4"	N/A	500	13
1/4" x 2"	1 1/4"	N/A	500	15
1/4" x 2 1/2"	1 1/4"	N/A	500	20
1/4" x 3"	1 1/4"	N/A	500	23
1/4" x 3 1/2"	1 1/4"	N/A	500	25
1/4" x 4"	1 1/4"	N/A	500	30
1/4" x 4 1/2"	1 1/4"	N/A	500	32
1/4" x 5"	1 1/4"	N/A	500	35
1/4" x 5 1/2"	1 1/4"	N/A	500	37
1/4" x 6"	1 1/4"	N/A	250	40
1/4" x 6 1/2"	1 1/4"	N/A	250	42
1/4" x 7"	1 1/4"	N/A	250	47
1/4" x 7 1/2"	1 1/4"	N/A	250	52
1/4" x 8"	1 1/4"	N/A	250	55
1/4" x 9"	1 1/4"	N/A	250	60
1/4" x 10"	1 1/4"	N/A	250	65

### **Application**

Spikes are designed for the attachment of insulation, membrane, wood nailers and miscellaneous fixtures to structural concrete. When installing, pre-drill a 1/4" diameter pilot hole into the base material to a depth of 1/2" deeper than the required embedment. No special tools are required for installation.

### **Technical Services**

For assistance with design, testing, or applications, contact Bondcote's Technical Services Department.



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