

Technical Information Sheet



Concrete Drive Fastener

Size	Item Number	Size	Item Number
1 1/2"	W56RAC4320	7"	W56RAC4351
2"	W56RAC4321	7 1/2"	W56RAC4352
2 1/2"	W56RAC4322	8"	W56RAC4353
3"	W56RAC4323	9"	W56RAC4354
3 1/2"	W56RAC4324	10"	W56RAC4355
4"	W56RAC4325	11"	W56RAC4336
4 1/2"	W56RAC4326	12"	W56RAC4337
5"	W56RAC4327	13"	W56RAC4338
5 1/2"	W56RAC4328	14"	W56RAC4339
6"	W56RAC4349	15"	W56RAC4340
6 1/2"	W56RAC4350	16"	W56RAC4341

Description

Concrete Drive fasteners are used in roofing applications in conjunction with Elevate Insulation Plates for the attachment of roofing insulation, and base sheets, or attachment of Elevate Metal Batten Strips, Seam Plates, Termination Bars, and other accessories into structural concrete substrates.

Method of Application

1. Use a rotary hammer or hammer drill in hammer mode to pre-drill a pilot hole with a 1/4" (6.3 mm) ANSI 0.260" to 0.268" diameter (6.6 - 7.3 mm) drill bit. Pilot hole must be drilled 1/2" (12.7 mm) deeper than the required embedment.
2. Install the Concrete Drive using a 3 lb (6.6 kg) hammer until the fastener head is seated firmly against the plate. Do not overdrive the fastener causing substrate damage.

NOTE: Minimum required embedment is 1 1/4" (31.7 mm) into the concrete substrate.

Storage

Store in original, unopened packaging protected from the weather.

Precautions

- Eye protection must be worn during the installation of concrete drives.
- Do not use over structural concrete substrates which are less than 3" (76 mm) thick at the point of attachment.

LEED® Information

- Post-Consumer Recycled Content: 0%
- Pre-Consumer Recycled Content: 25%
- Manufacturing Location: New Rochelle, NY

NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Product Packaging			
Drive Length	Pieces per Pail	Drive Length	Pieces per Pail
1½" (38.1 mm)	500	7" (177.8 mm)	250
2" (50.8 mm)	500	7½" (190.5 mm)	250
2½" (63.5 mm)	500	8" (203.2 mm)	250
3" (76.2 mm)	500	9" (228.6 mm)	250
3½" (88.9 mm)	500	10" (254 mm)	250
4" (101.6 mm)	500	11" (279.4 mm)	100
4½" (114.3 mm)	500	12" (304.8 mm)	100
5" (127 mm)	500	13" (330.2 mm)	100
5½" (139.7 mm)	500	14" (355.6 mm)	100
6" (152.4 mm)	250	15" (381 mm)	100
6½" (165.1 mm)	250	16" (406.4 mm)	100

NOTE: 40 pails per pallet

Typical Properties	
Property	Typical Performance
Material	AISI C-1038-1040, heat
Core Hardness	Rc 37-43
Diameter	¼" (6.3 mm)
Corrosion Resistant Coating	Black epoxy coating exhibits 15% or less red rust after 30 cycles of Kesternich and exceed requirements of FM 4470.

Pullout Values		
	Minimum Concrete Compressive Strength	
	3,000 psi	4,000 psi
Min. Embedment Depth	1¼" (31.6 mm)	1¼" (31.6 mm)
Tensile Strength	1,100 lb (499 kg)	1,210 lb (549 kg)
Shear Strength	2,020 lb (916 kg)	2,220 lb (1,007 kg)

*Tabulated load values are for fasteners installed in concrete. Concrete compressive strength must be at the specified minimum at the time of installation. Ultimate load capacities must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working load. Consideration of safety factor of 10 or higher may be necessary depending upon the application, such as life safety or overhead.

Please contact Holcim Technical Services at 800-428-4511 for further information.

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