

CC Series Connectors

Energy-efficient, Composite Sandwich Panels

Overview

Thermomass CC Series fiber-composite connectors are designed for the construction of composite, sandwich wall panels used in both load-bearing and cladding applications. Inserted through a layer of rigid foam board to create an integrally insulated wall assembly, the connectors eliminate thermal bridging while transferring loads from the fascia wythe, or layer, of concrete to the inner, structural wythe.

During construction, a layer of rigid insulation is set directly on a still-plastic layer of concrete. Thermomass connectors are inserted into the insulation layer. Finally, the second layer of concrete is cast. Once cured, the entire sandwich panel is lifting out of the form and erected into place.

CC Series connectors are tested in accordance with ICC-ES AC308, and are listed with ICC-Evaluation Service (ICC-ES) Report ESR-2873.



Features

- **Energy-efficient:** Eliminates thermal bridging between the two concrete layers.
- **Durable:** E-CR glass fiber and vinyl ester resin ingredients create an incredibly strong composite material, resistant to corrosion and chemical attack.
- **Extensively Tested:** CC Series connectors have undergone thorough fire, cyclical and cracked concrete third-party testing.
- **Easy-to-use:** Simple installation, especially with pre-drilled, pre-cut insulation. Thermoplastic molded sealing collars and flange provide precision installation embedment.

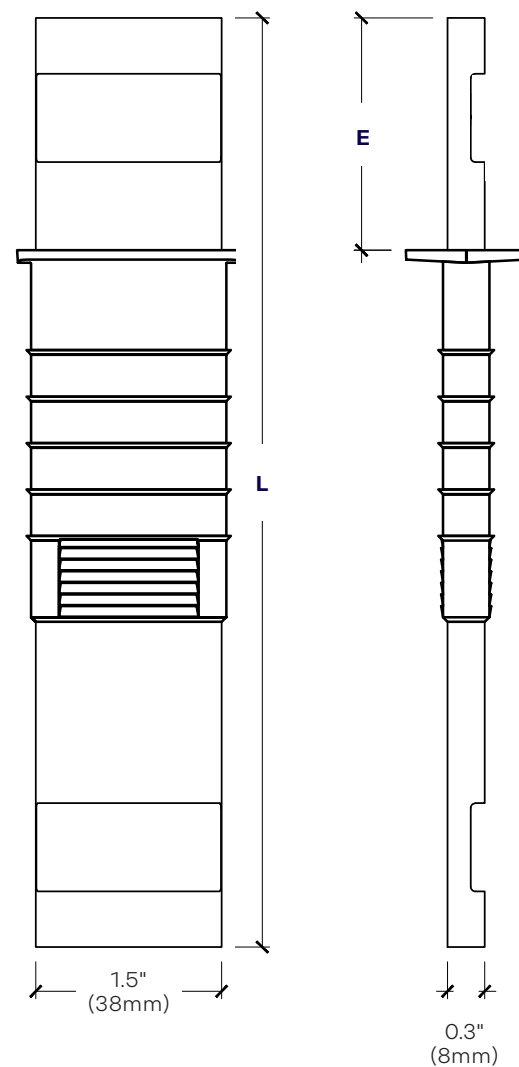


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Product Data - CC Series Connector Short Embed

For wythe thickness of 2.5" (63mm) and less					
Item Number	Connector Name	Insulation Thickness	Embedment (E)	Connector Length (L)	Collar Color
4103010	CC 120-40-40-40	1.5" (38mm)	1.5" (38mm)	4.5" (114mm)	Brown
4103020	CC 130-40-50-40	2" (51mm)	1.5" (38mm)	5" (127mm)	Dark Blue
4103035	CC 145-50-40-55	2.5" (63mm)	1.5" (38mm)	5.5" (140mm)	Dark Green
4103050	CC 160-40-50-70	3" (76mm)	1.5" (38mm)	6.5" (165mm)	Black
4103069	CC 180-40-50-90	4" (102mm)	1.5" (38mm)	7" (178mm)	Yellow
4103078	CC 200-40-50-110	4.5" (114mm)	1.5" (38mm)	8" (203mm)	Light Green
4103081	CC 210-40-50-120	5" (127mm)	1.5" (38mm)	8.5" (216mm)	White
4103085	CC 230-40-50-140	6" (152mm)	1.5" (38mm)	9" (229mm)	Red



Product Data - CC Series Connector Long Embed

For wythe thickness of more than 2.5" (63mm)					
Item Number	Connector Name	Insulation Thickness	Embedment (E)	Connector Length (L)	Collar Color
4103030	CC 140-50-40-50	1.5" (38mm)	2" (51mm)	5.5" (140mm)	Brown
4103040	CC 150-50-50-50	2" (51mm)	2" (51mm)	6" (152mm)	Dark Blue
4103060	CC 160-50-50-60	2.5" (63mm)	2" (51mm)	6.5" (165mm)	Dark Green
4103070	CC 180-50-50-80	3" (76mm)	2" (51mm)	7" (178mm)	Black
4103072	CC 190-50-50-90	3.5" (89mm)	2" (51mm)	7.5" (191mm)	Dark Gray
4103080	CC 200-50-50-100	4" (102mm)	2" (51mm)	8" (203mm)	Yellow
4103082	CC 220-50-50-120	4.5" (114mm)	2" (51mm)	8.5" (216mm)	Light Green
4103083	CC 230-50-50-130	5" (127mm)	2" (51mm)	9" (229mm)	White
4103088	CC 240-50-50-140	5.5" (140mm)	2" (51mm)	9.5" (241mm)	Orange
4103091	CC 250-50-50-150	6" (152mm)	2" (51mm)	10" (254mm)	Red