



# PYROTEK THERMALLY-FORMED (TF) COMBO BAG

## FOR VERTICAL DIRECT CHILL (VDC) SLAB CASTING

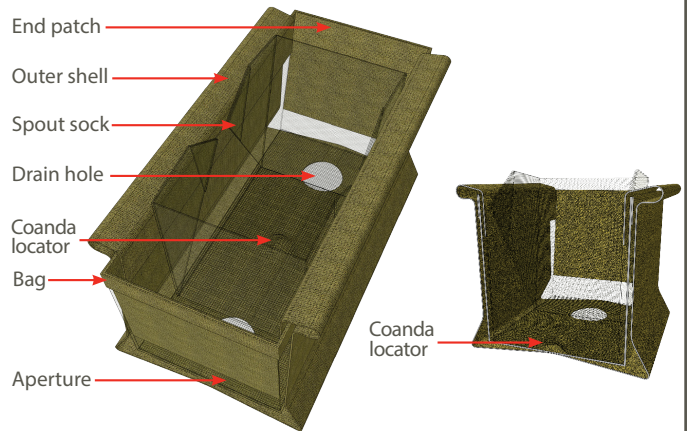
Pyrotek's Thermally-Formed (TF) Combo Bags are molten aluminium distributors for vertical direct chill (VDC) slab casting. The bags are made from fibreglass fabrics and coated with Pyrotek F-100 coating. The fabric, manufacturing process and coating create excellent rigidity, reduced emissions, and provide precise dimensional control and casting performance.

### COMPOSITION

TF combo bags consist of a bag, end patch, outer shell and an optional spout sock (inner bag). Typically, the bag and spout sock are made from filter fabric and the outer shell and end patches are made from strong patch cloth. The component and fabric options can be modified. Contact a Pyrotek sales engineer for more information.

### BENEFITS

- Easy installation on existing mounting system
- Rigid at standard casting temperatures for up to 90 minutes
- Minimal fumes, smoke and flame at cast start-up
- Reduced turbulence and oxide generation
- Collects oxides and large particles
- Improved bottom block filling
- Oxide attachment resistance
- Potential butt curl and scalping reduction



### APPLICATIONS

- VDC slab casting distributors
- All aluminium alloys

### OPTIONAL FEATURES

- Drain hole
- BGA design
- Various fabric styles
- Individual packaging
- Integrated spout sock
- Side apertures (windows)

### OPTIONAL GEOMETRIES

Property	Value	
Available Bag Widths—mm (in)	102, 127, 152 (4, 5, 6)	
Available Bag and Maximum Aperture Heights—mm (in)	89 (3.5)	
	102 (4)	
	114 (4.5)	
	127 (5)	
	140 (5.5)	
Available Bag Lengths and Outer Shell Width Ranges—mm (in)	152 (6)	
	Bag Lengths	Outer Shell Width Ranges
	330 (13)	254–330 (10–13)
	406 (16)	254–406 (10–16)
	457 (18)	254–457 (10–18)
Optional Spout Sock Length—mm (in)	203 (8) <i>Note: Width will match bag width</i>	
Optional Drain Hole Diameters—mm (in)	44, 57 (1.75, 2.25)	





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### OPTIONAL FABRICS

Style Number	Strand Diameter		Strand Count per 10 cm (3.94 in)	Holes per cm <sup>2</sup> (0.155 in <sup>2</sup> )	Opening Size per cm <sup>2</sup> (in <sup>2</sup> )	Open Area	Weave Type
	Warp mm (in)	Weft mm (in)					
LC40F	0.686 (0.027)	1.118 (0.044)	40.9 x 37.8	15	0.02570 (0.00398)	40.0%	Plain
LC36F	0.686 (0.027)	1.118 (0.044)	40.9 x 34	14	0.03069 (0.00476)	42.7%	Plain
LC36F4	0.787 (0.031)	1.016 (0.04)	37.3 x 41	15	0.02386 (0.00370)	36.5%	Plain
LC34F4	1.016 (0.04)	1.016 (0.04)	37.3 x 31	12	0.03758 (0.00582)	46.7%	Plain
LC33L6	1.295 (0.051)	1.194 (0.047)	32 x 26.8	9	0.04640 (0.00719)	39.8%	Leno
LC32L	1.016 (0.04)	1.118 (0.044)	28.2 x 26.8	8	0.05130 (0.00795)	50%	Leno
LC32L4	1.067 (0.042)	1.016 (0.04)	28.2 x 27	8	0.06487 (0.01005)	49.4%	Leno
LC31L4	1.016 (0.04)	1.118 (0.044)	23.4 x 25.5	6	0.09130 (0.01415)	54.5%	Leno
TG-430	0.643 (0.025)	0.742 (0.03)	19 x 11	–	–	0%	Broken Twill
TG-580	0.643 (0.025)	0.742 (0.03)	21 x 18	–	–	0%	8H Satin

