



SEWN COMBO BAG

FOR VERTICAL DIRECT CHILL (VDC) SLAB CASTING

Pyrotek Sewn Combo Bags are molten aluminium distributors used in vertical direct chill (VDC) casting processes to filter oxides and control molten aluminium flow into the mould. The bags minimize turbulence, retain oxide films, reduce scrap, collect large particles and improve a slab's metallurgical microstructure.

Pyrotek Sewn Combo Bags are manufactured from fiberglass fabric to premium quality and are available with custom geometries, unique fabric weaves and specialty fabric coatings.

COMPOSITION

Sewn combo bags consist of a bag, fabric patches and an optional spout sock (inner bag). Typically, the bag and spout sock are made from open-weave filter fabric and the patches are made from stronger closed-weave fabric. The woven fabric can be coated with polyvinyl alcohol (F-5), ceramic (644) or a carbon compound (F100/C) to exhibit unique properties and maintain weave integrity. Additional design features like spout socks, drain holes and side apertures can be added to meet specific project requirements.

BENEFITS

- Highly customizable
- Reduced turbulence and oxide generation
- Collects oxides and large particles
- Improved bottom block filling
- Oxide attachment resistance
- Reduced butt curl and scalping
- Premium quality reduces scrap

OPTIONAL GEOMETRIES

Property	Value
Available Bag Widths—mm (in)	102–254 (4–10)
Available Bag Heights—mm (in)	102–152 (4–6)
Available Bag Lengths—mm (in)	330–600 (13–23.6)

NOTE: Custom geometries are available upon request. Contact your Pyrotek representative for more information.



APPLICATIONS

- VDC slab casting distributors
- All aluminium alloys

STANDARD FABRIC COATINGS

Coating Type	Value		
	Emissions	Rigidity	Weave Locking
644	Very Low	Low	Medium
F-5	High	Medium	High
F100/C	Low	Medium-High	High
F100/M	Very Low	Medium	Medium

OPTIONAL FEATURES

- Drain hole areas
- Unique fabric weaves
- Integrated spout sock
- Side apertures (windows)
- Unique fabric coating

