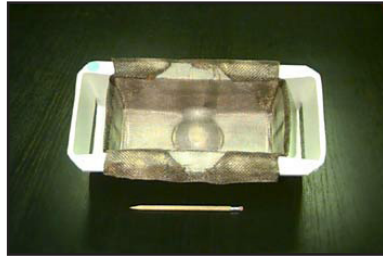


REUSABLE MOLTEN ALUMINIUM DISTRIBUTOR (ReMAD)

REFRACTORY FRAME WITH PREFORMED INNER BAG



RFM Refractory Frame



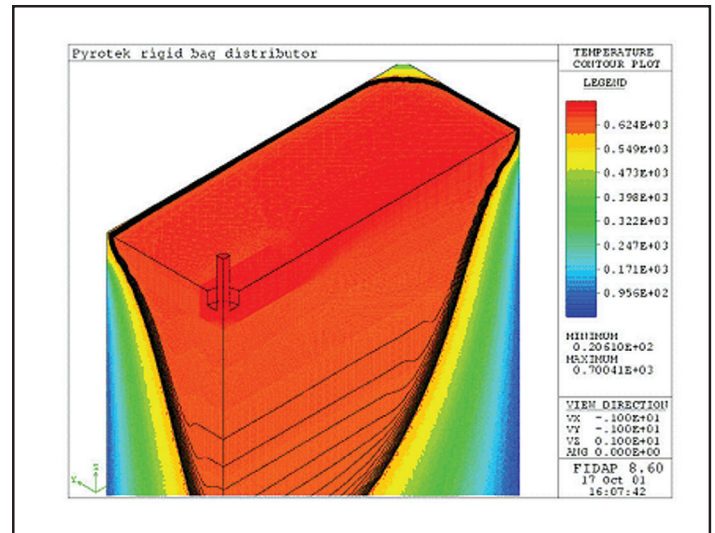
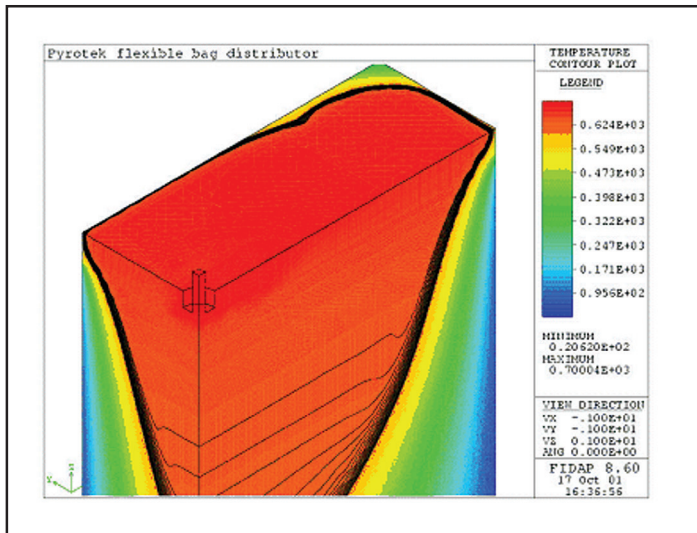
Frame with Preformed Inner Bag

ReMAD (Reusable Molten Aluminium Distributor) is a patented distributor technology. It consists of a refractory frame coupled with a preformed inner bag. This design has been developed using full-scale water modelling and has been successfully tested in casting conditions. The refractory frame is made of RFM[®] material. RFM is a patented, composite-based material well suited for use with liquid aluminium. Even though wollastonite is non-wetted by molten aluminium, the frame is factory coated using a semi-permanent proprietary boron nitride coating. During operational maintenance, Boron Nitride Lubricoat[®] ZS should be used. The inner bag is changed every cast. The inner bag opening can be varied to adjust the metal flow pattern to customer needs.

As illustrated in the heat flow distributions below, the ReMAD (right side), shows a better coverage of corners as well as more metal flow underneath. This leads to less turbulence, to less oxide films generated and to a better overall metal quality.

BENEFITS

- Reduces cost per cast
- Uses the same bag attachment system
- Easy to clean
- More consistent cast
- Less turbulence inside and outside the distributor
- Better temperature profile around the mould
- Improved surface finish



Lubricoat[®] is a registered trademark of ZYP Coatings, Inc.
 RFM[®] is a registered trademark of Pyrotek inc.
 (U.S. Patent #: 6,254,810 / GB Patent #: 2352992)

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Product Type: 110

Commodity Code: 02029, 02040

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