

# R&R® Rantyre™ Tire Molding Plaster

A European tire mold foundry converted from their current investment product (Product X) to R&R RANTYRE tire molding plaster. After making the conversion, the foundry was pleased to achieve the following benefits.



## Reduced Mold Cracking

- R&R RANTYRE tire molding plaster provided a 33% increase in green (wet) compressive strength over Product X's published numbers:
  - R&R RANTYRE tire molding plaster = 5.2 MPa
  - Product X = 3.9 MPa
- R&R RANTYRE tire molding plaster provided additional tensile strength due to fiberglass in the formula.

## Reduced Finishing Costs and Improved As-Cast Surface Finish

- R&R RANTYRE tire molding plaster utilizes R&R's proprietary surface tension agents; which reduce air bubble defects. These are not available commercially.

## Tighter Tolerances, Plus Reduced Warping and Cracking

- R&R RANTYRE tire molding plaster's thermal stability was superior to Product X and also allowed for drying temperatures up to 572 °F (300 °C).

## Consistent Material and Dual Source Options

- R&R RANTYRE tire molding plaster has delivered material consistency, batch-to-batch, since 2006.
- R&R has two approved manufacturing facilities for R&R RANTYRE tire molding plaster, in the USA and Germany.



### RANSOM & RANDOLPH

Maumee, OH 43537 USA

Toll Free: 800.800.7496

Phone: 419.865.9497

Fax: 419.865.9997

[www.ransom-randolph.com](http://www.ransom-randolph.com)

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