



The Chemical Company

REOSHORE 45

DESCRIPTION

REOSHORE 45 is a medium aspect ratio, structural polypropylene fibre that is designed to provide excellent resistance to rupture forces thereby enhancing strata stability. The fibre exhibits low rebound and allows the nozzle operator to more accurately control the water:binder ratio without the need to adjust for fibre addition.

REOSHORE 45 provides an economical, low dose solution for mining and tunneling. This fibre provides value to end users by adding toughness and increasing flexural strength to the shotcrete tunnel lining.

REOSHORE 45 conforms to the ASTM C 1116-03, 4.1.3 *type III Synthetic Fiber-Reinforced Concrete or Shotcrete* specification. This fibre has been specifically designed for the **dry mix shotcrete** process where mixing of ingredients can present problems.

PROPERTIES

REOSHORE 45 is produced from low-melt flow virgin polypropylene. The unique surface design provides an anchorage system which mechanically locks the fibre into the concrete matrix. This system ensures that the fibre absorbs maximum energy without breakage. The fibre is designed to retain its cross sectional shape and therefore avoid brittle concrete failure in high load situations.

REOSHORE 45 has an aspect ratio (length/equivalent diameter) of 45. This medium aspect ratio provides strong performance and toughness specifically for dry mix shotcrete applications.

The individual fibre count, per kilogram of **REOSHORE 45** is approximately 19,100 fibres.

APPLICATION

For best results **REOSHORE 45** should be added to the concrete mix during the batching process. Alternatively, they can be added after batching and mixed in the agitator for a minimum of 3 minutes.

To ensure optimal performance, fibres must be kept dry.

PACKAGING

REOSHORE 45 is available in 1kg bags.

MANUFACTURER

VLP Products



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REOSHORE 45

ARShore45/2/1111

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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