



The Chemical Company

FORTA FERRO

DESCRIPTION

FORTA FERRO is a high performance bundle twisted fibre, appropriate for all concrete ground slab and precast applications.

FORTA FERRO is designed to provide excellent resistance to impact forces and guarantees end user product quality.

FORTA FERRO provides a low dose, steel free solution for all concrete ground slabs and premium precast concrete elements. Its length makes it ideal for thin walled precast sections and provides value to end users by adding toughness and increasing flexural strength to the designed concrete elements.

RECOMMENDED FOR

FORTA FERRO is appropriate for all concrete ground slab and precast applications. These applications include industrial and mining workshop floors, domestic and commercial ground slabs, precast troughs, tanks, pits, walling and any concrete application requiring reinforcing crack control.

PROPERTIES

FORTA FERRO is produced from 100% virgin co-polymer/polypropylene consisting of a twisted bundle non-fibrillated monofilament and a fibrillated network fibre.

This twisted bundle delivery system ensures that the fibre mixes well into the concrete and distributes evenly throughout the concrete matrix. The fibre absorbs maximum energy without breakage and is designed to retain its cross sectional shape thus avoiding brittle failure in high load situations.

APPLICATION

For best results **FORTA FERRO** should be added to the concrete mix during the batching process. For more detailed mixing and dosing information, contact your local BASF Technical Sales Representative.

To ensure optimal performance, fibres must be kept dry.

PERFORMANCE

RESIDUAL FLEXURAL STRENGTH MPa

Dose kg/m ³	Re3%	32 MPa	40 MPa	50MPa
2	30%	5.14	5.75	6.43
3	35%	5.33	5.97	6.68
4	40%	5.53	6.19	6.92
5	50%	5.93	6.63	7.42

Above performance values are indicative only

PACKAGING

The individual fibre count, per kilogram of **FORTA FERRO** is 161,900 fibres.

FORTA FERRO is available in safe and easy to handle 1kg mulchable bags. A carton of **FORTA FERRO** contains 16 x 1kg bags, with a pallet holding 12 cartons and weighs 192kg.

MANUFACTURER

Forta Corporation



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FORTA FERRO

AFortaFerro/4/0611

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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