



Cem-FIL® 61/2

GRC Premix and Spray Roving

PRODUCT DESCRIPTION

Cem-FIL® 61/2 is an Alkali Resistant glass fibre assembled roving designed for use in the manufacture of glass fibre reinforced concrete (GRC) composites by both pre-mix and simultaneous spray methods.

PRODUCT APPLICATION

In the pre-mix process, **Cem-FIL® 61/2** is chopped into small strands with high abrasion resistance. The fibre remains integral and this provides easy incorporation into the matrices and good workability.

Cem-FIL® 61/2's new sizing technology reduces the water absorption of the fibre strand, allowing a reduction in the water content of the matrix, or an increase in the fibre content.

In the spray process, **Cem-FIL® 61/2** has good split efficiency and easy chopping with low fuzz generation.

Cem-FIL® 61/2's hydrophobic behaviour makes the mix more fluid and that assures better compaction and easier release of trapped air.



FEATURES AND PRODUCT BENEFITS

- Alkali resistant glass*
- Good unwinding
- Easy chopping
- High split efficiency
- Very easy incorporation into the matrix
- Ideal for use with complicated profiles
- Excellent reproduction of detail
- Suitable for both pre-mix and spray
- Excellent mechanical performance
- Makes highly durable GRC elements

*Our fibres are manufactured with high Zirconia content in compliance with ASTM C1666/C 1666M-07 and EN 15422 and under the recommendations of PCI and GRCA

TECHNICAL CHARACTERISTICS (nominal values)

Linear weight of Roving (tex)	Linear weight of Strand (tex)	Loss on Ignition %	Moisture (%)
ISO 1889 : 1987	ISO 1889 : 1987	ISO 1887 : 1980	ISO 3344 : 1977
2500	83	1.75	0.35 max

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Cem-FIL® 61/2 rovings are shrink-wrapped and are packed on pallets either with or without carton boxes.

STORAGE

Cem-FIL® 61/2 rovings should be stored away from heat and moisture, and in their original packaging. The best conditions are:

- Temperature: 15 °C – 35 °C.
- Humidity: 35 % – 65 %.

If the product is stored at lower temperatures it is advisable to condition it in the workshop for at least 24 hours before use, to prevent condensation.

OCV™ Reinforcements recommends using the material according to FIFO (first in, first out) method.

QUALITY

Cem-FIL® 61/2 rovings are manufactured under a quality Management System approved to ISO 9001. Additionally the actual performance of Cem-FIL® 61/2 is subject to independent assessment and approval in Germany (Zulassung n° Z-3.72.1731).

PALLET CHARACTERISTICS



Without Individual Carton Boxes



With Individual Carton Boxes



OCV™ Reinforcements

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