

OSCRETE 67/36

Alkali Resistant Glass Macro Fibre

DESCRIPTION

Oscrete 67/36 is a high performance alkali resistant glass macro fibre, engineered to reinforce against plastic, thermal and drying shrinkage cracking. **Oscrete 67/36** increases flexural strength and ductility, and adds toughness, impact and fatigue resistance to the concrete, **Oscrete 67/36** can also be used as secondary reinforcement and in specific applications also primary reinforcement.

APPLICATIONS

Oscrete 67/36 fibre disperses quickly and evenly throughout the concrete matrix, because the specific gravity is similar to the aggregates used in concrete. This inherent characteristic of glass guarantees high fibre performance throughout the concrete mass. **Oscrete 67/36** has been specially designed to replace secondary and primary reinforcement (welded wire mesh, light rebar, steel and synthetic fibres) in residential, commercial and industrial slabs on ground, compression layers, pavements and precast concrete.

BENEFITS

- High dispersion.
- No additional water demand.
- Does not corrode.
- Prevention and control of cracking.
- Improves mechanical properties.
- Improved abrasion resistance.
- Impact resistance.

PROPERTIES

Nature:	Alkali Resistant Glass
Appearance:	Opaque
Specific Gravity:	2.68 g/cm ³
Fibre Length:	36mm
Filament Diameter:	19 µm
Chemical Resistance:	Very High
Modulus of Elasticity:	72 GPa
Tensile Strength:	1,700 MPa
Softening Point:	860°C

ADDITION RATES

Dosage rates will be dependant on mix design, process, types of aggregates and the desired effect, but typically:

1 x 5 kg bag per cubic metre

STANDARDS

Oscrete 67/36 are manufactured under the ISO 9001 Quality Managers Scheme and fulfil all the prescribed requirements described in the European Technical Approval ETA-11/0410.



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COMPATIBILITY

Oscrete 67/36 is compatible with all types of EN 197 cement systems.

STORAGE

Oscrete 67/36 should be protected from extreme temperature and stored in a dry environment.

HANDLING

Please refer to the **Oscrete 67/36** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

PACKAGING

Oscrete 67/36 is supplied in 5kg plastic bags.

NOTES

Oscrete 67/36 fibres can be introduced in the ready mix plant or directly in the concrete truck during the mixing process. Addition rates are dependant on the application and desired performance levels.

Please consult the OSCRETE technical department for advice on admixture selection.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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