

Adfil® Strux 9040

Synthetic macro-fiber
Tape

DESCRIPTION

Adfil®Strux 9040 is a high performing synthetic macro tape fibre reinforcement that is added to ready mixed and precast concrete at the batching stage. Adfil®Strux 9040 macro fibres are specifically engineered to provide post-crack control performance.

Adfil®Strux 9040 macro fibres are 40mm in length with an aspect ratio of 90 and can replace steel mesh reinforcement, steel fibres and light rebar reinforcement. The macro fibres add impact and fatigue resistance to concrete and improve residual strength and durability.

BENEFITS

- Eliminates the need for steel mesh or steel fibres in many applications.
- Faster construction timeline.
- Rust and corrosion-free, ideal for any environment.
- Enhances jobsite safety by eliminating handling of steel fibres, welded wire reinforcement and rebar.
- Ease of pumping and surface finishing.

APPLICATION

Adfil®Strux 9040 macro fibres may be used in a variety of ready mix and precast applications, including but not limited to:

- Ground bearing floor slabs
- Overlays
- Pavements
- Precast elements
- Marine concrete applications
- Agricultural environments

INDICATIVE INFORMATION

Product Nature	100% virgin polypropylene
Color	White
Apparent density	0,920
Fiber length	40 mm
Ignition temperature	360 °C
Equivalent Diameter	430 µm
Tensile strength	620 MPa
Elastic Modulus	9 GPa
Melting point	165 °C

PACKAGING

- 2.3kg water soluble bags

SAFETY

Adfil®Strux 9040 fibres are not considered dangerous to handle. Prior to any use, please read carefully the Safety Data Sheet (SDS).

METHOD OF USE

Adfil®Strux 9040 is typically dosed between 3.5-7 kg/m³, dependent on the specific application and required hardened properties. For assistance with fibre dosage recommendations - our Project Insured consultants can tailor a fibre reinforced concrete design to suit your concrete application.

When adding fibres into a cementitious product, careful attention must be taken in the batching and mixing procedure to achieve optimum results. If you need further details on the recommended mixing instructions, please consult a member of the Chryso team.

PRECAUTIONS

- Fibres must be stored on a clean surface in dry conditions, undercover and away from the possibility of damage

NORMS & REGULATIONS

- Conforms to ASTM C 1116 and BS EN 14889 II
- Conforms to CE marking EN 14889-2:2006 II

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

14 Colebard Street West, Archerfield QLD 4108, Australia Tel.:AU: 1800 855 525 | NZ: 0800 552 235



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