

Adfil®Sinta Duo 4818

Blended macro & micro synthetic fibres

DESCRIPTION

Adfil®Sinta Duo 4818 is an advance blend of macro and micro fibres. This gradation of blended fibres can be used to enhance durability and crack resistance of concrete.

Adfil®Sinta Duo 4818 macro and micro combination provides a comprehensive concrete reinforcement solution, improving post-crack performance while controlling plastic shrinkage cracking.

BENEFITS

- Eliminating the need for steel mesh or steel fibres in many applications.
- Provides crack control in the pre-hardened concrete stage.
- 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.

APPLICATION

Adfil®Sinta Duo 4818 is designed for a wide range of concrete applications, including but not limited to:

- Ground bearing floor and external slabs
- Overlays and pavements
- Precast elements
- Marine concrete applications
- Agricultural environments

INDICATIVE INFORMATION

Product Nature	100% virgin polypropylene
Apparent density	0,910
Ignition temperature	360 °C
Tensile strength	600 MPa
Elastic Modulus	11 GPa
Melting point	165 °C
Length	18mm(micro) & 48mm(macro)
Equivalent Diameter	30µm(micro) & 0.78mm(macro)

PACKAGING

- 2.3kg water soluble bags (2kg macro pucks + 0.3kg micro fibres)

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).

METHOD OF USE

Adfil®Sinta Duo 4818 is typically dosed between 3–5kg/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