

Adfil®Sinta F51

Synthetic micro-fiber
Fibrillated Fibers

DESCRIPTION

Adfil®Sinta F51 is a synthetic fibre for concrete, manufactured from 100% virgin polypropylene in a fibrillated form. Engineered specifically for use in concrete, it is alkali-resistant, non-absorptive and completely non-corrosive.

Adfil®Sinta F51 is 51mm in length. This fibre controls the formation of plastic shrinkage cracking that may otherwise permanently weaken the resulting concrete.

BENEFITS

- Provides plastic shrinkage and plastic settlement crack control at pre-hardening stage
- Improved anchoring and bonding characteristics within the concrete matrix
- Slows down bleeding and reduces permeability, improving the overall impact and abrasion resistance

APPLICATION

Adfil®Sinta F51 is primarily used to improve the rheological properties of low slump concrete mixes used in the construction of extruded Jersey concrete barriers.

INDICATIVE INFORMATION

Product Nature	100% virgin polypropylene
Color	Transparent
Apparent density	0,920 ± 0,010
Fiber length	51 mm
Ignition temperature	360 °C
Tensile strength	500 MPa
Elastic Modulus	4 GPa
Melting point	170 °C

PACKAGING

- 0.6kg or 0.9kg water soluble bags

METHOD OF USE

The optimal dosage of Adfil®Sinta F51 can be established after trial tests, considering local conditions, materials and specification requirements.

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 from Chryso team.

PRECAUTIONS

- Adfil®Sinta F51 fibres are not recommended as a replacement to structural reinforcement
- Fibres must be stored on a clean surface in dry conditions, undercover and away from the possibility of damage

NORMS & REGULATIONS

- Designed to conform with ASTM C 1116 and BS EN14889 Ia.

SAFETY

Adfil®Sinta F51 is not considered dangerous to handle. Prior to any use, please read carefully the Safety Data Sheet (SDS).