

## Adfil®Sinta F19

Synthetic micro-fiber  
Fibrillated Fibers

### DESCRIPTION

Adfil®Sinta F19 are synthetic fibres for concrete, manufactured from 100% virgin polypropylene in fibrillated form. Designed specifically for use in concrete, they are alkali-resistant, non-absorptive and completely non-corrosive.

Adfil®Sinta F19 fibrillated fibres mechanically lock in the fresh concrete matrix providing reinforcement for the mixture while its tensile strength is the weakest. 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
- Improves anchoring and bonding characteristics within the concrete matrix
- Slows down bleeding and reduces permeability, improving the overall impact and abrasion resistance

### APPLICATION

Adfil®Sinta F19 may be used in applications where decreased plastic shrinkage cracking and improved durability are desired.

### INDICATIVE INFORMATION

<b>Product Nature</b>	100% virgin polypropylene
<b>Color</b>	Transparent
<b>Apparent density</b>	0,920 ± 0,010
<b>Fiber length</b>	19 mm
<b>Ignition temperature</b>	360 °C
<b>Tensile strength</b>	500 MPa
<b>Elastic Modulus</b>	4 GPa
<b>Melting point</b>	170 °C

### PACKAGING

- 0.6kg or 0.9kg water soluble bags

### METHOD OF USE

The optimal dosage of Adfil®Sinta F19 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 F19 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 to ASTM C 1116 and BS EN14889 lb

### SAFETY

Adfil®Sinta F19 is not considered dangerous to handle. Prior to any use, please read carefully the Safety Data Sheet (SDS).