

Product Information

The Conplus range of monofilament synthetic fibres, are designed to reduce early age plastic shrinkage and settlement cracking.

The addition of this high performance product will also improve the long term durability and surface properties of the hardened concrete.

Conplus EX has been specifically formulated to improve the freeze/thaw characteristics of concrete and can be considered as a cost effective replacement for air entraining admixture as well as crack control steel mesh.

Technical Specification

Material	100% Virgin Polypropylene	Electrical Conductivity	Low
Fibre Type	Monofilament	Thermal Conductivity	Low
Absorption	Nil	Ignition Point	> 410 °C
Specific Gravity	0.91g/cm ³	Acid Resistance	High
Fibre Length	12mm and 18mm blended	Alkali Resistance	100%
Fibre Diameter	21 µ	Tensile Strength	34 Cn/dtex
Colour	Natural	Dosage	0.9 kg/m ³
Melt Point	160°C	Cross Section	Round

Applications

- Internal floor-slabs (retail stores, warehouses, etc.)
- External slabs (driveways, yards, etc.)
- Agricultural applications (Farm yards, silage bases, roads)
- Roads and Extruded concrete kerbs
- Sprayed concrete
- Sea Defence and Marine applications
- Tunnelling and Passive Fire Protection.
- General building works and DIY applications.
- Precast concrete
- Piling
- Refractory Products
- Bridges

Benefits

- Improved Plastic Shrinkage resistance.
- Improved Plastic Settlement Resistance.
- Improved Impact Resistance.
- Improved Abrasion Resistance.
- Improved Explosive Spalling and Passive Fire Resistance.
- Improved Freeze/Thaw Resistance.
- Reduced Permeability.
- Replaces crack control mesh.
- Replaces air entraining admixtures.



Mixing Instructions

Conplus EX fibres can be added to the concrete mixer at the batching plant or on site. For quality control purposes mixing at the batching plant is the preferred method.

Batching Plant

1. Add Conplus to empty mixer.
2. Add 50% of mix water.
3. Add other constituents.
4. Mix for seventy revolutions or five minutes whichever is the greater.

In-Situ

1. Add Conplus to back of mixer.
2. Mix for a minimum seventy revolutions or five minutes whichever is the greater.

Packaging Configuration

Conplus EX fibres are packed in pre - dosed paper degradable bags and are ready for use. The material is packed as follows:
20 x 0.90kg bags /18kg box – 30 boxes/pallet (540kg)

Compatibility

Conplus EX fibres are compatible with all current admixtures.

Certification

Our manufacturing plants are ISO 9001:2008 approved and provide high quality materials and service.

Our products are CE marked to BS EN14889-2:2006 and are currently being tested by UKAS approved laboratories for future BBA certification.

Health and Safety

Please go to www.conplus.co.uk for an MSDS data sheet or call 0113 285 2202

Drake Extrusion Ltd shall not be liable for any loss caused by use of the Product, whether or not used in accordance with advice, suggestions or recommendations made by or on behalf of Drake Extrusion Ltd (except for death or personal injury caused by the negligence of Drake Extrusion Ltd). Any user of the Product must satisfy them self of the suitability of the Product for the use in question. This may include performing checks and tests to ensure, among other matters, compliance with all legal and regulatory requirements, compatibility with other materials, satisfactory health and safety precautions and the integrity of any structure or installation in which the Product is used.

