

FOSROC PPF

High Performance Micro Propylene Fibre

Uses

Fosroc PPF is primary used as a crack controlling additive for cementitious material. Typical application are

- Crack control in readymix concrete, precast concrete, conventional shotcrete, screeds, rendering mortar, micro silica concrete.
- Concrete slabs, pavement, driveways, imprinted concrete.
- Water retaining structures, marine concrete etc.
- Patch repair, thin section walling etc.

Advantages

- Cost effective – replaces anti crack wire mesh.
- User friendly – decreases construction time and labour.
- Versatile – inhibit intrinsic cracking in concrete, improve finishing characteristics, concrete durability and act as rust proofer.
- Disperse uniformly throughout the mix and does not rush.

Description

Fosroc PPF, is a highly performance micro polypropylene fibre, developed as a crack controlling additive for cementitious materials. It is available as monofilament 12 mm in length for concrete and 6 mm in length for plaster and mortar. It is used to inhibit the formation of small cracks which can occur through plastic shrinkage, premature drying and early thermal changes, in order to provide utilization of the intrinsic properties of the hardened cementitious material.

Fosroc PPF is a based on selected raw materials and manufactured under controlled conditions to give a consistent product.

Fosroc PPF is supplied in two sized:

- 12 mm fibre length is designed for concrete mixes, with aggregate size greater than 5 mm.

- 6 mm fibre length is design for mortar mixes.

Standards compliance

Fosroc PPF comply with the requirements of ASTM C1116

Technical support

Fosroc offers a comprehensive range of high performance, high quality construction products. In addition, Fosroc offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Specification:

Where shown on the contract documents, concrete shall be manufactured using Fosroc PPF, a high performance micro polypropylene fibre. The crack controlling additive shall meet the requirements of ASTM C1116.

Properties

Material	: Polypropylene fibre
Density	: +/- 0.91 g/cm3
Crack elongation	: > 10%
Fiber type	: Mono filament
Melting point	: 160 – 180 C
Equivalent diameter	: 15 – 40 µm
Acid & Alkali resistant	: Strong
Length	: 6 mm / 12 mm (+/- 1 mm)
Water Absorbency	No
Tensile Strength	: > 450 Mpa.
Elastic modulus	: min 3500 MPa

Dosage

The optimum dosage of fosroc PPF to meet specific requirements should always be determined by trial mixes using the materials and condition that will experience in use.

supplier : diskon@findotek.com

FOSROC PPF

As guide to trial, the following dosage levels of fosroc PPF are recommended.

Fibre length	: 12 mm / 6 mm
Aggregate size max	: 32 mm
Typical Dosage	:
12 mm fibre	: 0.6 / 0.9 - 1 Kg/m ³
6 mm fibres	: 0.9 - 1 Kg/m ³
Typical areas of application: Ready mix concrete	

Use after dosages

Dosages outside the typical range quoted above can be used to meet particular requirements from Consultant or Contractor.

Effect of overdosing

Overdosing of fosroc PPF will generally produce a reduction in workability, and an increase in cohesiveness of the mix.

Estimating

Supply

Fosroc PPF M12 mm fibres: 0.6 Kg and 0.9 Kg bags
Fosroc PPF M6 mm fibres : 0.9 Kg bags

Storage

Should be stored in warehouse condition ideally 20 -35°C in good ventilation area.

Additional Information

Fosroc manufactures a wide range of complementary products which include:

- Water proofing membrane & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialised flooring materials

Fosroc additionally offers a compressive package of products specially design for the repair and refurbishment of damaged concrete. Fosroc's "Systematic Approach" to concrete-repair features the following:

- Hand-place repair mortars
- Fluid micro-concretes
- Chemically resistant epoxy mortars
- Anti-carbonation/anti-chloride protective coatings
- Chemicals and abrasion resistant coatings.

For further information on any of above, please consult your local Fosroc office- as bellow.



PT. FOSROC Indonesia

Jl.Akasia II Blok A8 No.1
Delta Silicon Industrial Park
Lippo Cikarang
Bekasi 17550
Indonesia

www.fosroc.com

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.

telephone:
+62 21 897 2104-06

fax:
+62 21 897 2107

email:
enquiry.indonesia@fosroc.com
supplier : diskon@findotek.com

