

PLAM FIBRE

Polypropylene fibers

DESCRIPTION

Plam Fibers Isoplam® are white polypropylene fibers that are used in the preparation of concrete for the realization of industrial or stamped flooring, in mixtures for architectural or overlay flooring and in the preparation of mortars, in order to increase the mechanical performance and over time of the works and decreasing maintenance costs.

FEATURES

Plam Fibre Isoplam®:

- they adhere perfectly to the mixture allowing a good tensile strength;
- they disperse quickly and uniformly in the mixture of concrete or mortar.

ADVANTAGES

Plam Fibre Isoplam®:

- they create a three-dimensional reinforcement in the mixtures, able to counteract the stresses due to plastic shrinkage during the setting of the concrete or mortar, with a consequent significant reduction of the cracks;
- they reduce the permeability of concrete or mortar, thereby increasing its durability;
- in the mature concrete they improve the mechanical resistance to abrasion, impact, compression and flexion, to freeze-thaw cycles, to fire;
- they improve the plastic characteristics of the mix, thus facilitating its use;
- facilitate the dismantling work;
- allow the elimination of non-structural metal parts.

WAY OF USE

Plam Fibre Isoplam® can be added directly into the mixer truck, taking care to mix the mixture for at least 5 minutes from their introduction.

Do not alter the mixing time or the water dosage in the mixture.

DOSAGE

Plam Fibre Isoplam® is added in the amount of 0.6 kg / m³ in medium-dense cement mixtures.

TECHNICAL FEATURES

Specific weight	0,91 g/cm ³
Fiber diameter	19,8 (±3%) μ
Tensile strength	400-500 MPa
Elastic module	7-9 Gpa
Reaction to fire	it is not flammable but combustible
Durability	excellent resistance to acids, bases and chemical agents present in cement mixtures

PACKAGING

Plam Fibers Isoplam® is available in 6 mm or 18 mm cuts and packaged in 0.6 kg water-soluble bags.

IMPORTANT

The PLAM FIBER product is formulated to be used as in the application above. The addition of any other product compromises the final result of the surface.

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. Data can be changed at any time. This sheet replaces and cancels previous ones. The PLAM FIBER product is intended for professional use. Isoplam Srl periodically organizes courses for its customers who request it.