

concrete re-enforcing polypropylene fiber

POLIMIX is industrial re-enforcing fiber developed for concrete manufacturing. Besides monolith concretes, it is applicable for enforcing cement based concrete slabs and mortars. It dissolves homogeneously within the concrete creating a spatial-net by which it significantly reduces the cracks developing during the retraction phase. POLIMIX is resistant to chemicals and it enhances the dust free qualities and improves the impact- and abrasion resistance of the treated floor.

AREAS OF USE

- Industrial floors
- Different types of estrichs
- Light concretes
- Vacuum concretes
- Dry shake hardeners
- Pre-fabricated concrete products

FEATURES

- Raw material: polypropylene
- Shape: round
- Diameter: 16 micron
- Fiber length: 12 mm
- Fiber quantity: 275 million pcs/kg
- Specific weight: 0,91
- Flexibility modulus: 3500-3900 N/mm²
- Tensile Strength: 400 N/mm²
- Melting temperature: 160-170°C
- Flammable temperature: >320°C
- Electric conductivity: 0
- Chemical material resistance: good

INSTRUCTION MANUAL – BATCHING TO CONCRETE

The application of POLIMIX is simple. The polypropylene fiber can be added directly to the mixer and mixed together with the concrete itself either at the mixing factory or on the construction site. The POLIMIX needs to be batched bag by bag. Before use, please double check the specified quantities and product qualities. The paper bag perfectly dissolves in the concrete mixer. Extra water is not required to increase tractability, liquidizer can be used instead. The mixer needs to be operated in the highest rpm setting.

Mixing time: 7-10 minutes.

At the concrete factory, premix the material when dry and then add the necessary water. The batching can be done by either hand, pulley or other batching device. The dry mixing period should be at least 30 seconds and after adding the water, the mixer should be operated for at least 2-3 minutes. Pay special attention to the fiber distribution. The mixing time can differ depending on mixer size, mixer performance and the quantity of the material.

PACKAGING

Provided in 900 gram water-soluble paper bags. In case of special demands, we can offer different packaging or fiber lengths.

BEST BEFORE DATE

Indefinite.

