

# KEDIL FIBER P2

Kedil FIBER P2 for concrete manufactured products. Ideal to avoid shrinkage crack formation during the hardening phase. Reduces porosity, the use of fibres increases the quality of the surface, resistance to abrasion, impact and shock. Kedil FIBER P2 is a structural polymer fibre with an extruded polyethylene terephthalate (PET) base with orientated fibres. The profiled and knurled shape on both sides enhances adhesion of the fibre, enabling excellent hold on the cement mix, guaranteeing considerably increased resistance to bending and ductility of the mix. The particular geometry was developed to optimise uniform distribution inside the mix, guaranteeing simultaneous pumping capacity and maximum mechanical performance. There are multiple benefits on concrete: increased resistance to dynamic loads, reduced cracking, increased tensile strength of the concrete with the possibility of reducing cast section thickness and eliminating reinforcement.

## FIELDS OF APPLICATION

- Substrates
- Screeds with heat system.
- Screeds without metal reinforcement.
- Products with reduced porosity, water and dust absorption.
- Products with greater abrasion, impact and shock resistance.
- Industrial flooring
- Structures subject to dynamic load stress

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## PRODUCT DESCRIPTION

Kedil FIBER P2 is a structural polymer fibre with an extruded polyethylene terephthalate (PET) base with orientated fibres.

## METHOD OF USE

Place all the components of the mix (aggregates, water, cement, and additives) in the cement mixer lorry. ▶ with the cement mixer rotating at high speed, add a bag of fibre every 30" to reach the desired dosage; ▶ Prolong mixing for at least 5 minutes.

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## IDENTIFICATION

Product data	Value
Appearance	Fibre
Colour	White
Specific weight	1.38 Kg/dm <sup>3</sup>
Length	20 mm
Width	1.15 mm
thickness	0.45 mm
Tensile strength	450 N/mm
Vebè time reference concrete with 4 Kg/m <sup>3</sup>	9 seconds
Equivalent diameter	7%
Elastic modulus:	14.000 N/mm <sup>2</sup>

RESULTS OBTAIN UNDER STANDARD CONDITIONS: TEMPERATURE 23 C° ±2 . RELATIVE HUMIDITY AT 50 % ±5. VENTILATION LESS THAN 2 M/SEC

CE CERTIFICATE OF CONFORMITY NO. 1372-CPR-2412/RP ISSUED BY THE NOTIFIED BODY NO. 1372 WITH PERFORMANCE IN ACCORDANCE WITH UNI STANDARD EN 14889-2

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## TECHNICAL RECOMMENDATIONS

- KEDIL FIBER P3 is suitable for all applications described, without requiring preventive or additional treatments.
  - Use as a substitute for metal reinforcements in screeds.
  - Use products with the added fibre as described in the relevant technical data sheets.
  - Protect from direct sunlight, rain or wash-off for at least 24 hours or from frost for a sufficient length of time for it to set.
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## CONSUMPTION

**KEDIL FIBER P3**

**1.5-5 KG / m<sup>3</sup>**

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## SPECIFICATION

Addition of polymer fibre for crack-free substrates, screeds without metal reinforcements, products having a reduced porosity and greater abrasion, impact and shock resistance, such as **KEDIL FIBER P2** produced by KEDIL.

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## WARNINGS AND RECOMMENDATIONS

- Do not apply under conditions and/or with methods different to those explicitly stated in this technical data sheet.

### **KEDIL**

recommends that you read the **Introductory Notes** that complete the contents of this data sheet.

All technical recommendations and application advice given in the data sheets, provided verbally or in writing, are the result of our experience.

However, being unable to intervene directly at the construction site or the work itself, this information is purely indicative and therefore is neither legally or otherwise binding towards third parties. We suggest therefore, that the customer / end user performs his own tests on our products, in order to evaluate their performance under the weather conditions and for the applications in which they will be used.

In order to be sure that this data sheet has not been updated and / or replaced by a later version, before using our products, we recommend that you download the latest version from our website **[www.kedil.eu](http://www.kedil.eu)**.