

INDUSTRIAL FLOORING / TWISTED MACRO FIBRE

# TWIST WAVE 50

Twisted PP/PE macro synthetic fibre for concrete flooring



## 1 PRODUCT DESCRIPTION

Twist Wave 50 is a pearl-white polypropylene/polyethylene blend fibre with no other added additives. Each finished fibre is formed by twisting 20 flat monofilaments. The monofilaments have two longitudinal grooves created by the tri-linked extrusion profile and carry no surface embossing.

INDUSTRIAL FLOORS

CONCRETE FLOORS

SLAB APPLICATIONS

## 2 TECHNICAL PROPERTIES

| PROPERTY                | DECLARED VALUE                              |
|-------------------------|---------------------------------------------|
| Material                | Polypropylene/polyethylene blend            |
| Form                    | 20 flat monofilaments twisted as one fibre  |
| Colour                  | Pearl white                                 |
| Standard length         | 50 mm in twisted state; custom by agreement |
| Equivalent diameter     | 0.60 mm                                     |
| Mass per finished fibre | 0.30 g                                      |
| Tensile strength        | $\geq 570$ MPa                              |
| Elongation / modulus    | $\leq 30\%$ / $\geq 11$ GPa                 |

Declared values are product specifications. A commissioned test result is a sample result and is not presented as a guarantee for every batch.

### 3 RECOMMENDED DOSAGE

Recommended starting range for industrial and concrete flooring. Final dosage must be verified for the slab design, concrete mix and placing method.

## 4-8 kg/m<sup>3</sup>

DOSAGE BASIS: MASS OF FIBRE PER CUBIC METRE OF CONCRETE

### 4 BATCHING AND MIXING

- 1 Determine the batch dose by weight.
- 2 Open and remove the ordinary PE bag before dosing; the PE bag is not water-soluble and must not enter the mixer.
- 3 Add the measured fibre with the concrete ingredients during the normal charging sequence.
- 4 Continue mixing for an additional 3-5 minutes after fibre addition, or until uniform dispersion is confirmed in a plant trial.

### 5 PACKAGING AND STORAGE

#### PACKAGING

2 kg per ordinary PE bag; 12 kg per carton; 504 kg per pallet.

#### STORAGE

Store dry, protected from moisture and direct sunlight. Keep bags closed and protected from damage.

### 6 TEST DOCUMENTATION

Selected physical-property data are supported by commissioned report JCBG(01)250205945, tested to GB/T 21120-2018. A public scan copy may be provided for reference; the formal stamped report is not published. Energy absorption and residual strength are not declared in this revision.

### 7 IMPORTANT USE NOTICE

Recommended dosage and processing guidance are starting points only. Confirm suitability through project-specific trial mixes, production trials and, where required, independent testing. This TDS is not a structural design, acceptance certificate or third-party test report.

#### MANUFACTURER

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#### INTERNATIONAL SALES

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#### CONTACT

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