



## **Ecofibre Srl**

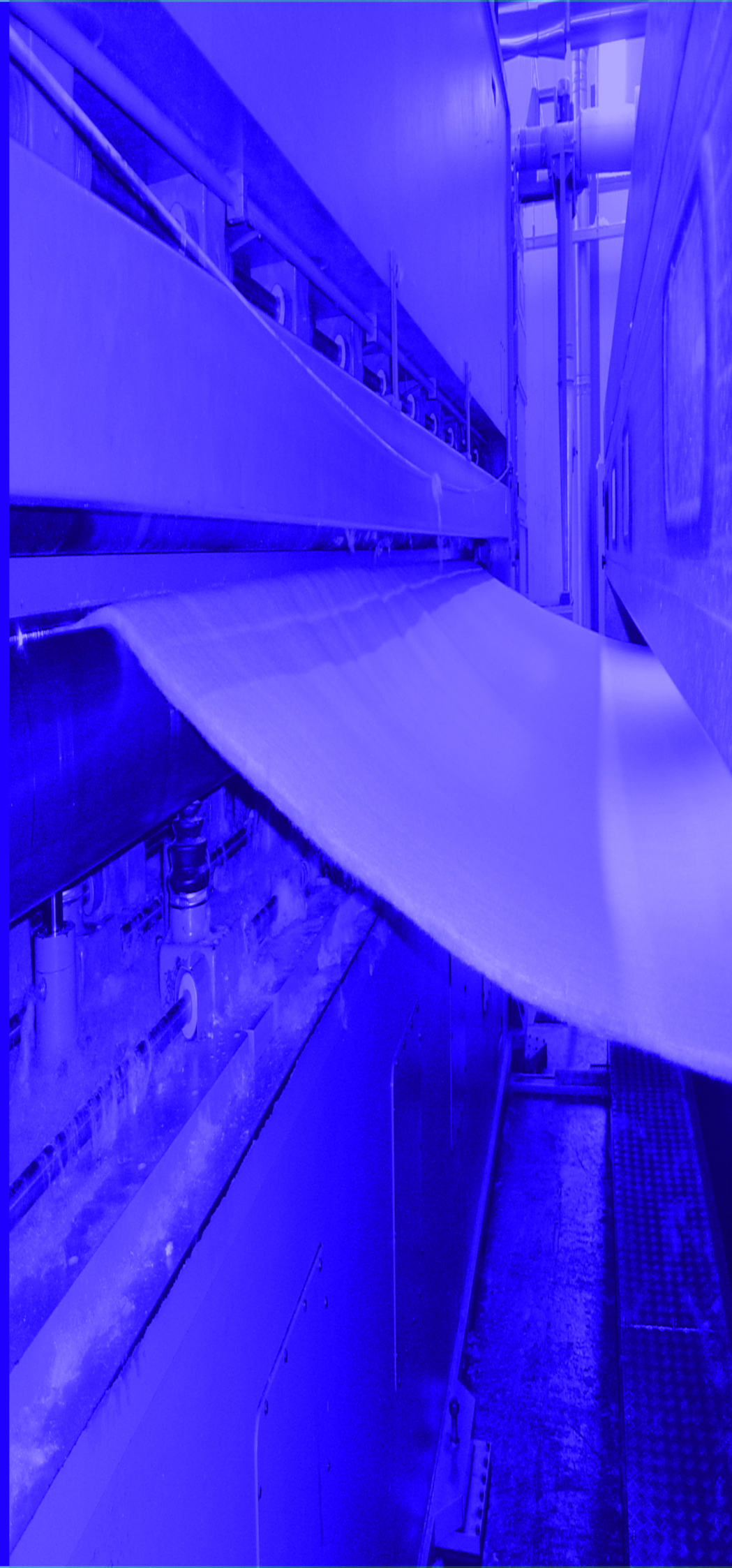
Via Paolo Paoletti, 10  
51037 Montale (PT)  
ITALY

Tel. +39 - 0573 959474 (r.a.)  
Fax +39 - 0573 959479

[www.ecofibre.it](http://www.ecofibre.it)  
[ecofibre@texnet.it](mailto:ecofibre@texnet.it)

# **ECOFIBRE**

## Geotextiles



# ECOFIBRE

Geotextiles



**Ecofibre Srl** is a company with a consolidated experience in geosynthetics production, able to offer a wide variety of geotextiles, suitable in engineering and civil works. **Ecofibre Srl** is alive since over 50 years in the area of transformation of raw materials for trade and production of non-woven geotextiles. **Ecofibre Srl** has always distinguished oneself for the high competitive and quality levels, with which is able to supply a vast international clientele, in constant growth.

**Quality, costs control and innovation** are the resistant fibres, that make up the success of Ecofelt products, taking care of its clientele, satisfied and conscious of advantages, derived from the use of **geotextiles of quality**.

## THE GEOTEXTILE

The geotextile product is one of the geosynthetics family, made from synthetic fibres in **polypropylene/polyester**, bonded together by a mechanical process of needling and / or thermo-calendering without the use of glues or chemical agents. Among the possible applications, the geotextile is used for the following construction works:

streets	controlled dumps
railways	water fields
walls against earth	drainage trenches
water-proofing tunnels	terraces

## PROPERTIES OF A GEOTEXTILE

### Separation

It maintains divided two layers of ground of a different composition, without stopping the circulation of water.

### Filtering

It not allow the migration of the fine particles of ground, thanks to an exact balance between retention and permeability requisitions.

### Drainage

Let the evacuation of a liquid or a gas along a plane.

### Reinforcement

It makes the ground less sensible to the deformations under load.

### Protection

It protects the geo-membrane from atmospheric agents of degradation, and even less from eventual foreign body, during the layer.

### Durability

It maintains unchanged, during the time, its mechanical and hydraulic characteristics.

## The ECOFELT Products

The geotextiles ECOFELT are different for the high mechanic, hydraulic values, durable along the time. They can be used in works of civil engineering (streets, tunnels, railways) and even in works of geotechnics engineering (ditches, dikes, dumps). All ECOFELT products are available in rolls from 1 m to 6 m width and a length more than 25 m.

### ECOFELT IN POLYPROPYLENE

#### ECOFELT PP-FC

It is a product with high mechanic, hydraulic and durable performances.

#### tractions:

from 7,2 kN/m to 80 kN/m

#### punching:

1500 N – 14000 N

#### ECOFELT PP-SB

It is a product with standard mechanic, hydraulic and durable performances.

#### tractions:

from 4,5 kN/m to 40 kN/m

#### punching:

600 N – 7000 N

#### ECOFELT PP-TERM

It is a thermo-bound product, mainly used for covering and roofing constructions.

#### tractions:

from 4,5 kN/m to 40 kN/m

#### punching:

600 N – 7000 N

#### ECOFELT PP-FREEZE

Product coupled with a film of polyethylene, to protect the fresh cement from a quick-setting and from drying up.

### ECOFELT IN POLYESTER

#### ECOFELT PES-SB

It is a product with middling/low mechanic, hydraulic and durable performances.

#### tractions:

from 1,5 kN/m to 24 kN/m

#### punching:

300 N – 2400 N

#### ECOFELT PP/PES-SB MULTICOLOR

Produced with multicolour raw materials, with middling/low mechanic, hydraulic and durable performances.

#### tractions:

from 2 kN/m to 25 kN/m

#### punching:

400 N – 2500 N

## CERTIFICATIONS

Company **Ecofibre Srl** is certified **UNI EN ISO 9001:2000**, through the certification body TÜV Nord, and all products have the CE mark, respecting norm 89/106 CEE “Products for construction”.

