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Brochure of

Agrotextiles

Logrotex
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What are AGROTEXTILES?

Agrotextiles are technical fabrics for agriculture, horticulture, gardening and construction.

They offer ideal protection from solar radiation during the hours of highest exposure. In addition, they prevent the development of creeping weeds thanks to their ability to limit the amount of sunlight penetrating onto the earth's surface, reducing the need to use fertilisers, weedkillers and water.

They slow down the effects of evapo-transpiration caused by the wind, which in turn prevents dessication while impeding the accumulation of water on the eaerth's surface by absorbing excess water when it is waterlogged.

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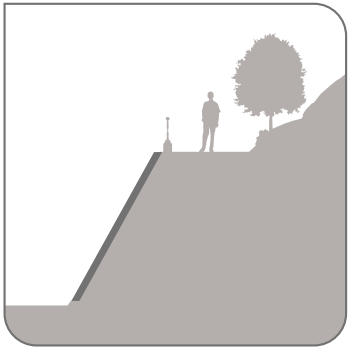
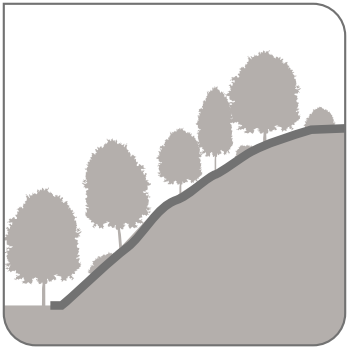
APPLICATIONS

These technical textiles are used and are of help in various types of crops, both in the country and in taking care of woods and in construction.



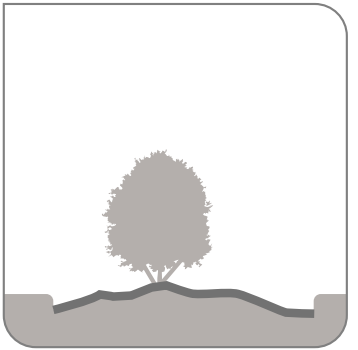
Stabilising embankments

The agrotextile proves indispensable in order to prevent degradation when the land has lost its balance.
It makes it easy to plant by hydroseeding.



Control of erosion

Protection against environmental erosion, direct sunlight and frosts.

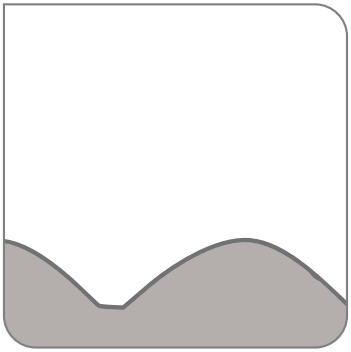


Function against weeds and roots

By limiting the penetration of sunlight we can prevent the growth of unwanted plants and shrubs.

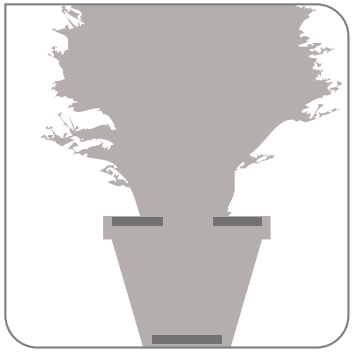
Vertical gardens and roof gardens

The plants root in the agrotextile fabric, which serves as a substrate, in order to obtain the maximum environmental benefits with the minimum consumption of water and energy.



Compost covers

They maintain the optimum moisture conditions for the compost and prevent the leakage of rainwater into the mass, providing protection against dessication caused by the wind and the sun.



Flood irrigation, organic tarpaulins, tree surrounds and crop/vine sheets

Often it is necessary to have moisture in the base of flowerpots. Since obtaining a layer of sand or peat , onto which the plants are placed, has big disadvantages, flood irrigation is the solution. Thanks to its water absorption and diffusion capacity, it can be adapted to all irrigation systems and is easy to fit in place.

JUTE FELT

Jute needle felt with or without backing, with great firmness and a buffer against radiation, or as a hydroseeding flood blanket, since it is able to store and retain a great deal of moisture. It is manufactured both with and without a backing of rafia, mesh or felt, which gives strength and durability.

It offers the maximum protection and toughness.

Applications: embankment stabilisation, erosion control, weed and root elimination, protection of vineyards, orchards, etc., vertical gardens and roof gardens.

JUTE FELT characteristics		
Weight (g/m^2)	from 400 to 2.000	
Thickness (mm)	from 3 to 10	
Packaging	plastic coated rolls	
Length (m)	50 or 75 *	* Enquire about other sizes
Width (m)	2 or 4	

ISOLGREEN®

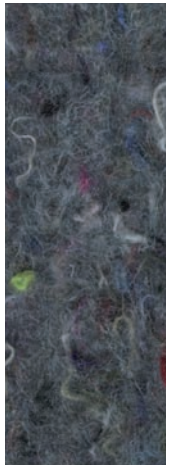
The huge variety of natural fibres with which we are working in Logrotex allows us to offer a wide range of versatile products, able to meet the tastes and needs of each customer.

Some of the fibres with which we work are:

Wool, hemp, Cotton, Jute, Flax, Coconut, Sisal.


Wool


Hemp


Cotton


Coco-Sisal

An example of this range of products is:

ISOLGREEN® JUTE

This is an agrotextile composed of jute fibres and hotmelt fibres. Jute fibre, as well as having ecological value, gives strength and durability to the product. It is rich in lignins, making it ideal as a material for strengthening.

Its **biodegradable** character makes it a harmless material throughout its life cycle.

Applications: Stabilising embankments, erosion control, prevention of weeds and roots, protection of vineyards, orchards, etc., vertical gardens and roof gardens.

ISOLGREEN® JUTE characteristics	
Weight (g/m^2)	from 300 to 5.000
Thickness (mm)	from 5 to 250
Packaging	plastic coated rolls (*) * Possibility of supply in sheets
Length (m)	from 6 to 25
Width(m)	up to 2,40

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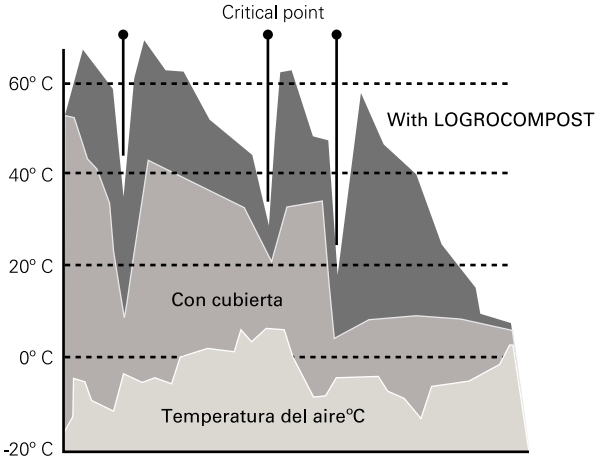
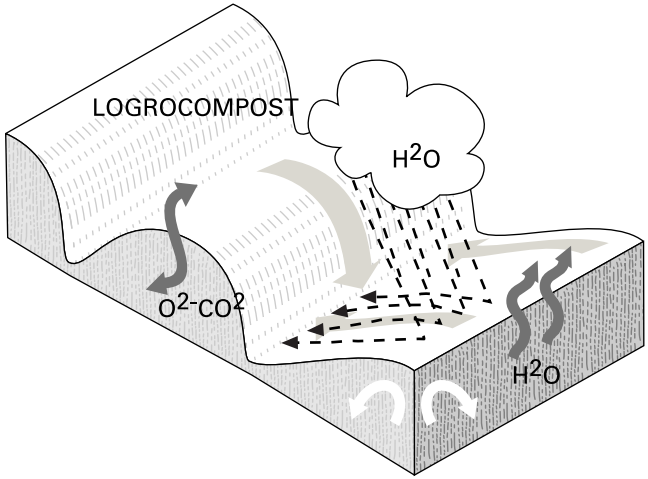
LOGROCOMPOST

Composting is a technique whereby natural waste is organically converted into humus. Through systematic checks, these organic components can be returned to the soil, completing the natural cycle and enriching the land. Thanks to the composting process, it is possible to obtain inorganic mineral elements, recovered from the digestion of the organic materials inside the heap. This controlled microbiological composting allows us to restore the fertility and buffer capability of agricultural land.



Logrocompost is an agrotextile made from polypropylene which has undergone a treatment which give sit resistance to ultraviolet radiation. It is strong and breathable, so it protects the compost from the rain, while remaining unaffected for over 5 years. Its function is is very important for protection in the processes of composting or storage of organic waste.

Whether it is used sporadically or kept throughout the composting cycle, the sheets protect the heaps from excessive rainfall, ensuring that ideal aerobic conditions are maintained. It prevents anaerobic saturation which leads to the appearance of foul smells, an imbalance of nutrients and the appearance of excessive humidity which serve to increase the cost associated with the protection, packaging and transport of compost.



Numerous scientific studies show that the use of composting tarpaulins is beneficial for the quality and final appearance of the compost.

LOGROCOMPOST characteristics		
Weight (g/m^2)	200 (*)	* Enquire for other grammages
Thickness (mm)	3	
Packaging	plastic coated rolls	
Length (m)	70 (*)	* Enquire for other sizes
Width (m)	4 y 8	

Logrocompost is designed to improve the quality of the compost.

Moisture Control:

- It allows the rain to bounce off and the snow to melt
- It reduces filtration and the loss of nutrients
- It reduces dehydration as a result of the effects of wind and sunshine

Temperature Control:

- It improves the conservation and distribution of heat
- It improves the destruction of weeds and microbial pathogens
- It increases the rate of decomposition
- It improves the consistency and cohesion of the compost

Transpiration Control:

- It permits the necessary gaseous exchange and an ideal temperature for ensuring the correct aerobic decomposition
- It minimises the loss of nutrients by leeching
- Both the moist air created by the heat generated inside the heap and the gases given off in the digestion process transpire through the sheet without obstruction of any kind
- It prevents unwanted odours

Pre-cutted felt for cultives

FLOOD IRRIGATION

It is often necessary to have moisture at the base of plants and trees. With high absorption and water diffusion power, our tarpaulin sheets can adapt to all kinds of irrigation systems and are easy to put in place. They avoid water loss, permitting the plants to absorb waty by capillary action. Chemically very stable, due to the rafia in the base, they are not affected by any of the products used in horticulture. Fertiliser solutions are able to pass through the sheet intact as this does not act as a filter.

ORGANIC TARPAULINS

In order to reduce the visual impact of the flood irrigation sheets we propose organic tarpaulins. Their capacity of water absorption and effectiveness against weeds is the same as that of the flood irrigation sheets but by adding a coloured (green or brown) felt backing we avoid the visual impact, giving uniformity to the plantation/crop.

Applications

Flood irrigation, embankment stabilisation, erosion control, prevention of weeds and roots, vertical gardens and roof gardens, crop protection.

MR 450 / 500 characteristics		
Weight (g/m^2)	from 400 to 1.000	
Thickness (mm)	from 3 to 10	
Packaging	plastic coated rolls	
Length (m)	25 or 50 (*)	* Enquire for other sizes
Width (m)	up to 4	

ORGANIC SHEETS characteristics		
Weight (g/m^2)	from 300 to 5.000	
Thickness (mm)	from 5 to 250	
Packaging	plastic coated rolls	
Length (m)	25 or 50 (*)	* Enquire for other sizes
Width (m)	2,40	

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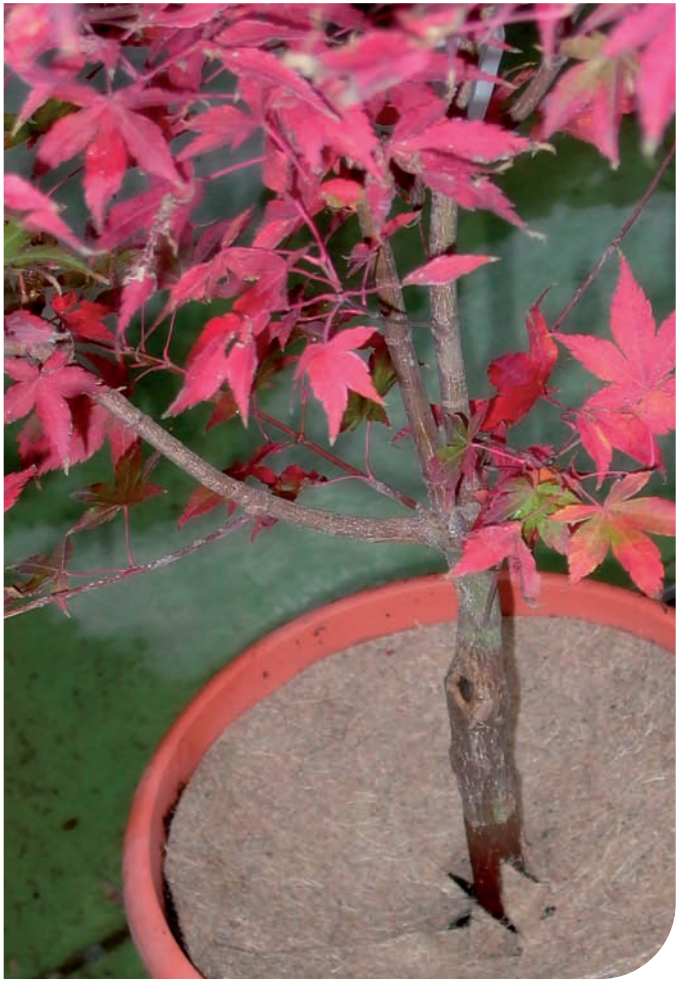
TREE SURROUNDS

Tree surrounds prevent weeds growing. Their use means big water savings and reduces considerably the time needed for maintenance work.



Characteristics

Needle felt fibres.

90% plant fibreas and 10% synthetic fibres.

Grammage (g/m^2): from 450 to 1.400

Properties

- Totally biodegradable material.
- Limits or avoids the use of chemical weedkillers.
- Reduces maintenance work. Reduces labour.
- Regulates temperature and prevents water evaporation.
- Protects the soil from erosion.
- Prevents the growth of weeds and moss on the surface.
- Has a positive effect on crop quality through the enrichment of the humus in the soil.

Applications

Protection of fruit trees, ornamental trees and vines.

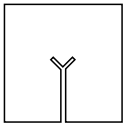
Packaging

Squares, rectangles, rolls or discs of fibre in different sizes for all kinds of crops and plant pots.

With pre-cut slit for fitting, allowing the surround to be slipped over the pot or around the trunk.

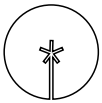
Squares

Measurements (cm) (*)	30x30	40x40	50x50	60x60	70x70
Units per pallet (800 g/m^2)	2500	1800	1500	1500	1500
Units per pallet (1.000 g/m^2)	2000	1200	1000	1000	1000
Units per pallet (1.400 g/m^2)	2000	1200	1000	1000	1000



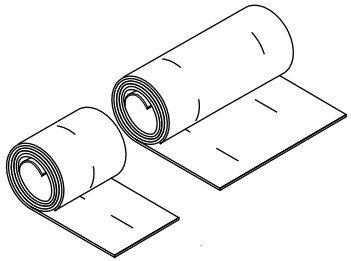
Circular

Diameter (Ø en mm) (*)	160	190	210	230	260	330	380
Correspondence by litres	2	3	4	5	7-5	15	20
Units per box	700	550	450	350	300	250	200



Roll

Sizes (Width x length in metres) (*)	0,55 x 50	1,10 x 50	2,20 x 25	2,20 x 50
Pre-cut measurements	0,25 each 100		0,25 each 100 in a staggered pattern	



* Enquire for other sizes

Weight g/m^2	Durability
400	between 3 and 6 month
600	between 6 and 12 month
800	between 1 and 2 years
1000	between 2 and 3 years
1400	between 3 and 4 years

*Information solely given as a guide and should not under any circumstances be construed as having the value or status of a contract.

Estimated durability of the jute taking as a reference the experience of the material installed at different points around the Peninsula.

These details may vary, depending on the backing material used.

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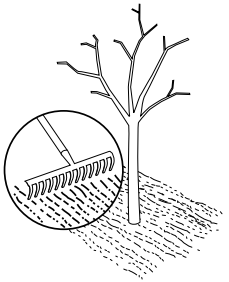
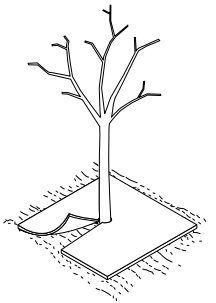
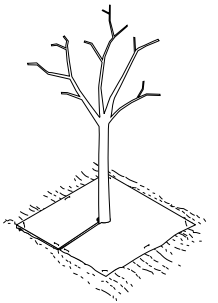
USERS' GUIDE FOR TREE SURROUNDS



At the time of installation, prepare the surface so that it is as flat and smooth as possible, so that the surround fits snugly around the trunk.

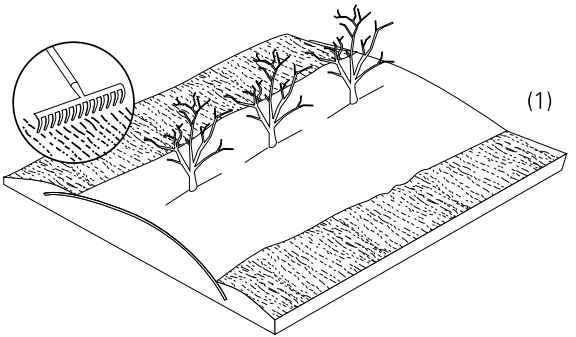


We recommend installing the surrounds immediately after planting. Slip the trunk of the plant through the slit in the surround.

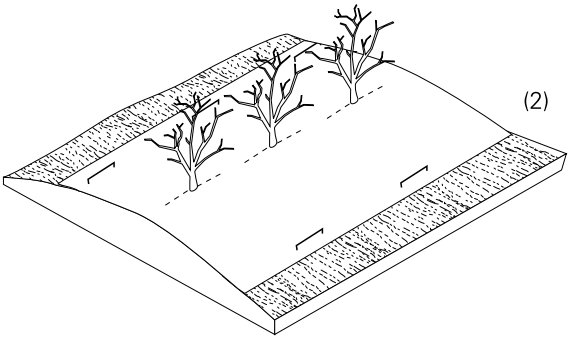


Fix to the ground with anchoring wires or add some soil around the edges of the surround to hold it firmly in place.

USERS' GUIDE FOR CROP/VINE SHEETS



At the time of installation, prepare the surface so that it is as flat and smooth as possible. We recommend installing the sheets for crops before planting.



Lay the sheet out along the line of plantation, placing the slit at the point where the rootstock will be planted.

Cover 10 to 15 cm (1) of the outer border with soil so as to hold it firmly to the ground, or else use fixing wire or flanges, 10 cm from the edge. Use one fixing wire every linear metre (2).

LAUDIA

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C. Alberite, 11 - 17
26006 · Logroño · Spain
T.: + 34 941 211 211
F.: + 34 941 210 347
www.logrotex.com
logrotex@logrotex.com

AENOR
ER
Empresa Registrada
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