



neobags™
more than content

Agricultural Textiles
Overview

www.neobags.biz



1 80871 Rev.1.1

Corporate Brochure 2009

WOVEN PP BAGS & SACKS

WOVEN PP MAILING SACKS

GREEN WASTE COLLECTION BAGS
KERB SIDE SACKS

PP/PE GROWING BAGS


LDPE BAGS / PE SACKS

STANDARD FIBC'S FOR VARIED USE


WOVEN AND NON WOVEN GEO TEXTILE

GROUND COVERS

SILT FENCE



THE FUTURE OF POLYMER BAGS AND SHEETS STARTS HERE



Neobags Overseas Private Limited is a registered company. Due to Neobags Overseas Private Limited's ever continuing efforts to improve its products, all descriptions and specifications contained herein are subject to change without prior notice. We reserve the right to change and/or modify all our products in appearance and/or specifications without prior notice or intimation. Neobags Overseas Private Limited does not, under any circumstances authorize and/or endorse any of its products for other than suggested uses, and consequently cannot be responsible for any damages resulting from improper use of its products, direct or implied. No part of this publication may be copied, reproduced or otherwise transmitted or recorded, for any purpose, without prior written permission from Neobags Overseas Private Limited.

© 2008 Copyright by Neobags Overseas Private Limited.
All rights reserved.

About Geotextiles

Geotextiles are often described as fabrics or synthetic materials which are placed between the soil and a pipe, gabion, or retaining wall: to enhance water movement and retard soil movement, and as a blanket to add reinforcement and separation. Geotextiles perform three basic functions in stabilizing aggregate sections: separation, drainage and reinforcement. A geotextile should consist of a stable network that retains its relative structure during handling, placement, and long-term service. Other terms that are used by the industry for similar materials and applications are geotextile cloth, agricultural fabric, and geosynthetic.

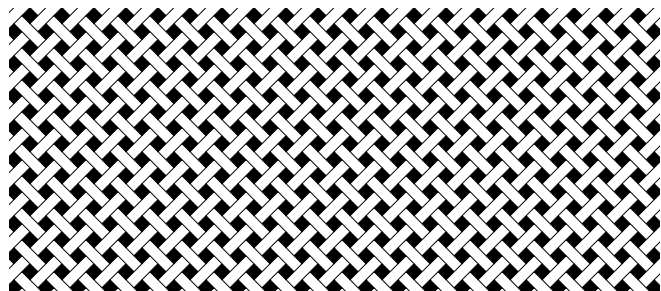


Figure 1: Close-up view of a woven geotextile fabric showing proper drainage, pore size, and strength characteristics

How Geotextile Fabric Works

Geotextile fabric applications are designed to keep soil and gravel (or other earthen materials) separate. By keeping the soil and gravel separated, the fabric improves the stability, load bearing capacity, and drainage of the site.

A geotextile fabric installed as a layer between gravel and soil layers forms a barrier against the movement or intermixing of the soil and gravel (see Figure 2). In applications where gravel is placed on top of a soil layer,

as in conventional driveways, farm roads, or graveled areas, the separation provided by the fabric helps the gravel maintain its position and design load bearing capacity throughout its life.

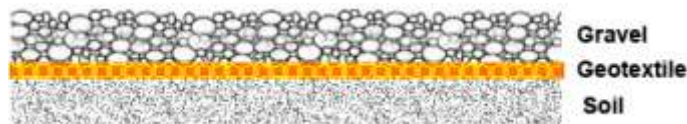


Figure 2: Close-up view of a woven geotextile fabric in cross section.

In the illustration above of a geotextile fabric separating a gravel layer from the underlying soil material. When properly designed and installed, the fabric can help distribute loads from animal and vehicular traffic (see Figure 3). When installed between two types of materials, or even between two layers of the same material, the fabric is placed into tension which helps reduce the impact of a localized load, and redistributes the localized pressures (see Figure 3, next page) over a larger area of sub grade material (soil or other earthen material in the lower layer). Overall, there is great improvement in the support properties of the system. Subsequently, the need for additional gravel each spring is greatly reduced, if not eliminated. However, timely maintenance is important to the longevity of the application area.

Drainage is enhanced when the gravel and soil are kept separate, and the soil is not allowed to fill in the voids in the gravel layer. Water movement within the surrounding soil or earthen materials can be improved and managed since the fabric allows water to pass through it, and thus does not impede the vertical or horizontal movement of water. Also, if the soil layer above or below the geotextile is impermeable, the fabric may act as a conduit for water flow.



Figure 3: Close-up view of a woven geotextile fabric showing how it reduces the impact of a localized load, and redistributes the localized pressures

Agricultural Applications for Geotextile Fabric

The original development of geotextiles focused largely on non-agricultural uses: subgrade, roadbed, and parking lot construction and stabilization; soil reinforcement; erosion and sedimentation control; and subsurface drainage and filters. However, there are many related agricultural applications, including: lanes to pasture paddocks, feedlots, and barnyards; livestock watering areas; silage bag and round bale storage and feeder areas; driveways for farmsteads and other farm roads; drainage ditch and stream crossing areas; subsurface drainage tubing connections; aprons for open-side livestock barns; and to extend existing concrete, paved, or graveled areas.

On Unpaved Roadways

Geotex woven geotextiles help save on aggregate placement and repair costs associated with constructing and maintaining unpaved roadways

Characterized by soft subgrades, high traffic loads and large deformation tolerances, typical unpaved roads often require upkeep. A soft subgrade covered with the appropriate Geotex woven geotextile stabilizes an access or haul road by spreading applied loads over a wider foundation, reducing rut depths and preventing aggregate contamination by the underlying subgrade soils. This reduces maintenance costs, improves roadway life and permits unrestricted flow of traffic.

Paved Roadways

Our woven geotextiles offer an inexpensive and time-proven means of extending the life of paved roadways and parking lots. Since subgrade contamination is the leading cause of pavement failure, highway engineers typically thicken aggregate layers using sacrificial aggregate to offset the expected losses. By unrolling a high elastic modulus woven geotextile directly on the subgrade during construction, aggregate is permanently separated from finer soils below. This prevents intrusion of the subgrade into the aggregate and improves the subsurface drainage of roadways. Even when the rigors of heavy truck traffic pound the pavement, our woven geotextile allows aggregate layers to maintain their original design thickness.

Woven Geotextiles for Sediment Control

Once fastened to posts and properly installed, our woven geotextiles are also effective in controlling sediment-laden runoff from construction sites. These woven silt fence fabrics offer a unique combination of UV resistance, strength and hydraulic properties.

Installation

Proper installation of geotextile fabric with gravel, soil, or other earthen material as a topcoat is best accomplished when the soil at the site is dry. The following is a series of tips to ensure proper site preparation, geotextile fabric installation, and cover material application at the site. The first step, however, is to select the proper geotextile fabric for the application.

- Clear the area of any sharp objects, stumps, and debris.
- Grade the existing soil surface to provide adequate, but not excessive, surface drainage.
- Unroll the geotextile fabric over the application area. On a windy day, the fabric will need to be secured with pins, sod, stones, etc.
- Place the gravel on the fabric. It is best to back dump when unloading and spreading the gravel on the fabric with a truck. Then complete the final spreading and smoothing with earthmoving equipment like a dozer, front-end loader, skid loader, or scraper.
- Care should be taken when backfilling and compacting the gravel. Geotextile fabric is tough, so it can be driven on. However, truck tires may pull the fabric, causing it to wrinkle. This condition may affect the proper installation and performance of the system since less area may actually be covered by the fabric.
- If it is necessary to overlap the fabric in order to cover a larger area, a minimum of a one foot overlap is required for proper use. In order to ensure a minimum of one foot of overlay after the placement of the gravel or other topcoat, it is recommended that the fabric be laid out with a two-foot overlap before placing the gravel on the fabric. Once placed, the gravel should be spread in the same direction as the geotextile fabric overlap to avoid separation between the two pieces of fabric. Staples are available to help hold the fabric in place.
- Compact the gravel using earthmoving equipment, a tractor, or farm trucks.

Maintenance

Since geotextile fabric provides separation between soil and gravel, or other earthen materials, the annual addition of gravel is usually not necessary as with conventional driveways and farm roads. If the area where the geotextile fabric was installed receives manure, it can be scraped periodically with a skid loader or box scraper. Gravel is sometimes removed during this process, and it should be replaced. The original depth of gravel should be maintained throughout the life of the system. Repairs should be made on an as needed, but timely, basis.

Neobags Tarpaulins in use on site



Woven Technical Fabrics

For clarity we have divided our products into three main categories.

a. Agricultural Textile

- i. Weed mats
- ii. Ground Covers
- iii. Woven PP needle – punched Premium Ground Cover
- iv. Black & White Fabric

b. Geotextile

- i. Light Weight
- ii. Heavy Weight

c. Silt Fence

- i. Standard Silt Fence
- ii. Dual Colour Silt Fence
- iii. Silt Fence with Draw Chord

Agricultural Textile

Weed Mats

Neobags is a manufacturer of high-quality weed barrier fabrics which are permeable to water and air, while limiting the growth of weeds through the fabric in landscape applications. Made of durable, tear-resistant polypropylene fabric, weed barrier separates soil-mulch and soil-gravel layers while blocking light to control weed growth. These fabrics reduce the need for chemical herbicides.

Weed barrier fabrics are UV stabilized with optimum water permeability, tensile strength and durability.

Neobags stocks various roll sizes to suit your project needs. Popular sizes available with us are as under:

Retail Pack

Extremely popular Neo Weed Retail Packs are available in various sizes from 1mtr x 50mtrs rolls to 2mtrs x 50mtrs rolls. Popular lengths available 15mtr, 25mtr, 50mtr

Flat Packs

These fabrics are packed flat and not in form of rolls. Popular sizes in demand are 4.5mtrs x 11.1mtr & 4.5mtrs x 25mtrs etc.

Custom Sizes: We can also make customised retail packs & Jumbo rolls as per your size requirements.

Ground Covers

Neobags Ground Cover Fabric will suit all your requirements, for hard landscaping projects the woven black Polypropylene is ideal whereas with UV stabiliser acts as the perfect weed barrier for planting areas whilst still allowing moisture through to your vegetables and plants

Neobags Ground Cover is manufactured from UV stabilised black Polypropylene which is processed to produce a close woven material. Tough and tear resistant, it effectively controls annual and perennial weeds. Ground Cover can be used inside glasshouses and growing tunnels providing cleanable surfaces or used for weed-free standing out areas for container grown plants.

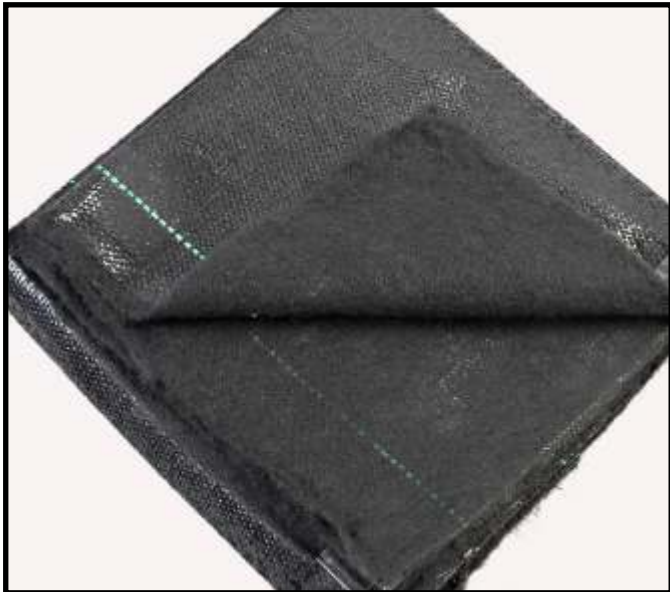
Available in 3 variants

- With Grids
- With Marker Tapes
- Plain

Standard Specifications

Popular Width: 1 meter to 5.2 meters
GSM: 85GSM onwards
Roll Length: 25 meters Retail Rolls to 1000meters Master Rolls
UV Stabilized

We can also make customised retail packs and Jumbo rolls as per your size requirements.



Woven PP Needle Punched Premium Ground Cover

Woven needle – punched PP fabric is made of 4.1 oz and 5 oz, and made with reinforced fibre for extra durability and conserves soil moisture, increases growth and prevents unwanted weed from germinating. Coloured stripes located 12 inches apart are made for easy plant alignment.

Popular widths: 3 feet to 12 feet

GSM: 4.1 oz and 5 oz

Roll Length: From 50 feet to 4200 feet



Special Black & White Fabric

A woven Polypropylene cloth with combined

colours; outer colour is white (85%) and the inside colour is black. The cloth's features are its strength, flexibility and it's ability to block the transmission of light.

The uppermost white side is used to reflect the sun's rays onto the plant foliage and thereby improve its growth. The black underside is used as a Ground Cover to help prevent the growth of weeds in the paths of garden and plant nurseries. It is used for the growth of plants in soil less medium and other applications, which need the blocking of light and the need for water to pass through.

Specifications

Popular GSM:	130 Gsm to 200 Gsm
UV Stability:	As required
Width:	1 meter to 4.5 meter
Roll Size:	100 meters onwards

We can also make customized retail packs & Jumbo rolls as per your size requirements.



Geotextile

Geotextile Separation and Stabilization

Neobags fabrics provide separation and stabilization of the base course, which can contribute to reduction in maintenance cost and aggregate depth, as well as preserving the integrity of the aggregate base. A geotextile provides reinforcement by distributing loads and confining soil masses, increasing roadway life and durability. Separation geotextiles serve as a barrier between fine grain soils and load-distributing aggregate fill material.



Silt Fence

Silt fences, or temporary sediment control fences, often are the most visible form of erosion or sediment control on a construction site. Used properly, silt fences can limit the transport of eroded soil from disturbed areas. A silt fence is not an erosion control device; it is a sediment control device. As soil particles become dislodged due to human activity, rain, wind and/or other natural forces, they become sediment or “silt.” Silt fences are designed to control this sediment.

At Neobags these fabrics are available in three variants. Specifications of each are listed as under:

Standard Silt Fence

Made of woven polypropylene fabric, the purpose of silt fence is to prevent sediment carried by sheet flow from leaving the site and entering drainage natural ways or storm drainage systems by slowing water runoff and causing the deposition of sediment of structure.

Specifications

Popular Width	24” to 50”
Length	packs of 100 meters to 1000 meters jumbo rolls
Thickness	60 GSM to 130 GSM
Fabric Construction	8 x 8 to 16 x 12
UV	As required
Fabric Edges	Heat Cut, Ultrasonic, Selvedge

Fabric also available with marker tapes

Dual Colour Silt Fence

Made using a very special technique this silt fence fabric is in two colours. Our most popular combinations of colour are

Green & White

Black & White

These fabrics are also available with special reinforcements giving them more strength and sustainability.

We offer these fabrics in two variants:

Neobags Light Weight Geotextiles

Ranging from 85 to 200 GSM, Neobags lightweights are used primarily for separation to prevent good quality granular fill intermixing with the poorer soil below. Typical uses include new highways, car parks, airport runways, under stone foundation layers for new buildings etc.

Standard Specifications Available

Popular Width	1 meter to 5.2 meters
Roll Lengths	100 meters to 1000 meters

Neobags Heavy Weight Geotextiles

With possible tensile strengths in excess of 200kN/m and Fabric GSM above 200, Neobags heavyweight geotextiles are used in applications where the loadings are severe. Uses include short term basal reinforcement, coastal erosion schemes or areas requiring general soil stabilisation.

Standard Specifications Available

Popular Width	1 meter to 4.5 meters
Roll Lengths	100 meters to 1000 meters

Specifications

Popular width	24" to 50"
Length	100 meter to 1000 meters rolls
Fabric Edges	Heat Cut, Ultrasonic, Selvedge
Reinforcements	Every 30 cms (vertically)

Neobags Special Silt Fence

(a) With a Draw String

A stronger silt fence with a draw string attached at the top. The draw string is particularly used to re-tighten the silt fence after a rainfall event. Available in Standard Silt Fence Sizes

(b) With Reinforcements

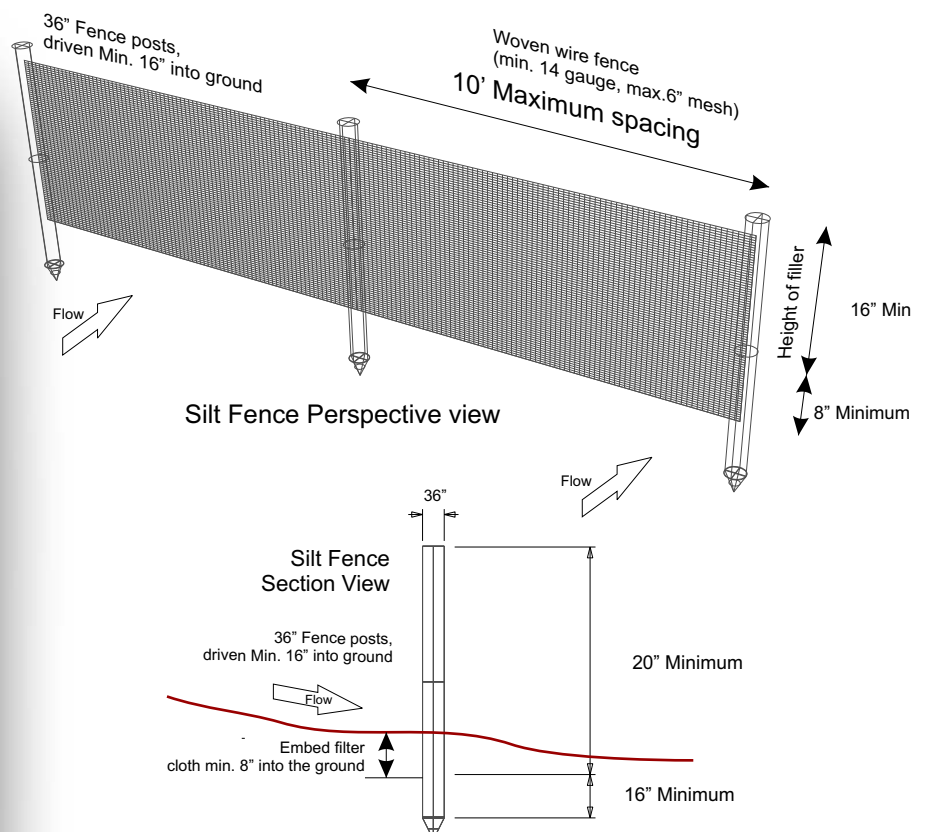
These fabrics are also available with special reinforcements giving them more strength and sustainability. There are 3 stripes where the yarn density is higher from the rest of the fabric. In those areas the fabric mass is 120 gsm or 3.5 oz/yd², and for the rest of the fabric it is 108 gsm or 3.2 oz/yd².

How is a Silt Fence Installed?

Prefabricated silt fence should be used whenever possible to minimize installation labor requirements. An eight-inch deep trench is dug along the silt fence alignment. The silt fence is unrolled and stretched tight while the posts are driven at least 16 inches below the ground surface. Sections of silt fence shall be joined at a post by overlapping the geotextile six inches and wrapping it around the post before the post is driven. The wire shall be overlapped and wired to the post. After the silt fence is erected, the trench is backfilled and the backfill is tamped by wheel rolling with small equipment or foot traffic.

What maintenance is needed?

The silt fence must be inspected after every runoff event. Any damage must be repaired immediately. Sediment and other debris must be removed from the upstream side of the fence when it accumulates to the extent that visible bulges develop in the silt fence. The silt fence shall be removed after vegetation or other permanent erosion control measures are installed and functional.



Woven HDPE/PP Sheets

HDPE Fabric

Our woven HDPE sheets are available with or without Ultraviolet protection depending on the end use. We have a comprehensive range of laminated and un-laminated fabrics available in a wide variety of colours and widths suitable for skirts and inlets, floor protection, bale wraps, sacks, bags, etc. and all-purpose general packaging.

HDPE sheets Laminated with polyethylene

Available in Double Sided laminated Polyethylene in a range of colours and widths of up to 2 meters.

Applications include garden furniture and boat covers, ground sheets and general packaging

HDPE sheets Un-Laminated

We have HDPE sheets un-laminated available in lengths up to 4 metres

We have a wide variety of colours and widths on offer. Applications include garden furniture and boat covers, ground sheets and general packaging.

Suitable for mail bags, sacks, bedding, furniture fabrics and general packaging. Contact us with your requirement.

PP Fabric

Laminated PP Fabric:

- Applications: Wrapping of paper bundles Making bags on automatic cutting & stitching machines

- Typical specifications: Weight: 55 to 300 gsm, Size: 21 to 150 cms

Clear sheets (Translucent)

- Polypropylene can be produced as a clear, transparent sheet with a nearly optically clear quality.

- Custom Opaque Colours, Tints and Gauges are available.

- Smooth: A shiny, completely smooth surface finish. Screen-printing or Offset printing on allows for superbly detailed graphics reproduction.

- Matte: A slightly textured surface. Matte is the most popular finish for all products, compatible with screen-printing, foil stamping, and ultrasonic welding.

- Applications: Wrapping of paper rolls, paper bundles, steel coils, tyres, yarn cones etc.

- Typical Specifications: Weight: 50 to 200 gsm, Sizes: 20 to 210 cms



RECYCLE
REDUCE
REUSE



neobags

overseas pvt. ltd.

Harish Jajodia, Ceo: ceo@neobags.biz

Exports Division: exports@neobags.biz

General Queries: info@neobags.biz

Accounting Department: accounts@neobags.biz

Contact us :

507-509 Himalaya House, 79
Palton Road,
Mumbai
Maharashtra
INDIA
PIN 400001

Tel: +91 22 40473600
Fax: +91 22 40473601