

Hair Mats

**The All-around Renewable Resource for
Oil, Soil, the Seas and Landscaping
Purposes.**

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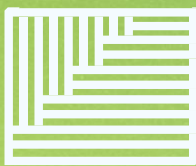
Hair is an abundant resource that is renewable and has promising uses due to its chemical composition and physical qualities. Human hair is a material considered useless in most societies and therefore is found in the waste streams.

Hair Mats

The All-around Renewable Resource for Oil, Soil, and the Seas

The Hair Mats are made from felted human waste hair that has been collected from local salons and disinfected to remove impurities.

The Hair Mats has various functions in the industry. Globally it is used in the mitigation of oil spills and as an aid to agricultural lands.



OIL AND CHEMICAL SPILLAGE

The Hair Mats are designed to adsorb oil and spills of fatty substances of mineral, vegetable or liquid animal origin,, consisting of fatty acid esters or hydrocarbons derived from petroleum. It absorbs and retains oil, fatty substances of mineral, vegetable or liquid animal origin made up of fatty acid esters or hydrocarbons derived from petroleum.

The product is recommended for cleaning oil spills in water and on surfaces. Best cleaning method is dragging the mat on the surface.

DIRECTION FOR USE

For coastal spills:

The Hair Mats can be secured on the shore so that it can recover oil, fatty substances of mineral, vegetable or liquid animal origin constituted by fatty acid esters or hydrocarbons derived from petroleum as they are dragged to the coast. Remove when saturated, with manual collection and the use of brooms, rakes and shovels. Used products are best disposed through incineration or oil eating microbes.

For spills on surfaces:

It is recommended to wipe the Hair Mats against visible stains to recover oils, fatty substances of mineral, vegetable or liquid animal origin made up of fatty acid esters or hydrocarbons derived from petroleum. Remove when saturated, with manual collection and the use of brooms, rakes and shovels. Used products are best disposed through incineration or oil eating microbes.

For prevention:

The Hair Mats can be applied in spaces with oil, fatty substances of mineral, vegetable or liquid animal origin constituted by fatty acid esters or by hydrocarbons derived from petroleum in water solution. It can be secured in metal bars and applied to walls, springs or fixed on floating elements. Remove the mats when saturated. Used products are best disposed through incineration or oil eating microbes.



AGRICULTURAL

The Hair Mat can cover the soil to generate water savings in agriculture. It is a 100% natural product, compostable at the end of the process, it reduces the need for irrigation water, provides nitrogen to the soil and reduces plant care: keeping weeds and pests away from the plants.

The product is also recommended to be used in areas with water scarcity, with two main options: to be able to plant in arid areas, where there is currently no agricultural development, or to introduce solutions to areas with great water retention needs.

METHOD FOR PLANTING

For round mats:

HAIR MAT ON TOP



Helps retain moisture content, slowly releases nutrients to the soil and limits the growth of weeds.

HAIR MAT ON BOTTOM



An ideal medium for encouraging roots to develop to their full potential, reducing the need for fertilizers.

HAIR MAT ON BOTH



For a healthier plant.

HOW TO INSTALL



For rectangular mats:

The Hair Mats can be cut in the middle and be wrapped around the stem or branch of a plant. Secure the mat with metal staples or wooden sticks.



Grow Mats

Small

Dimensions: 8 cm ø

Medium

Dimensions: 15 cm ø

Large

Dimensions: 23 cm ø

The Grow Mats are made from 100% sanitized waste human hair that are cut into circular pieces specific for agricultural use. It is used to help retain moisture content in soil, and it also releases nutrients that are good for the plants.

For wider agricultural area, Hair Mats may also be used.



Hair Mats

Small

Dimensions: 30 x 30 x 2 cm
Weight: Approx 400 g

Large

Dimensions: 60 x 60 x 2 cm
Weight: Approx 900 g

Adsorption Capacity

Three to nine times their weight in oil

Scope of Use

Hydrocarbons derived from petroleum, oily fatty compound substances of mineral, vegetable or liquid animal origin, hydrophenols, and other chemicals

The Hair Mats are made from 100% sanitized waste human hair. These can be used in cleaning up of oil and chemicals, and mitigation of pollution in sewage systems.

Hair Mats on Landscaping Part

Hair is naturally hydrophobic. They are good for replanting and protecting seedlings. Mats are felted loosely enough so that rain passes through into the soil but only 50% of rainfall is lost to evaporation. Hair, fur and fleece provide a slow nitrogen release into the soil.

They can help with soil erosion prevention, protect habitats from wildfire retardant contamination.


Contact Us


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We have been providing our clients with reliable solutions to their most complex landscaping and construction challenge. We specialize in commercial, institutional and educational buildings, landscaping and water work structures, with clients ranging from utility companies, landscape architects, design/build firms and contractors. We have access to a wide pool of talent that enables us to deliver quality services and also take on large projects.

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