



A Product of

**GLOBAL ASPIRE LTD**

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## About AspireCoco

Global Aspire identified the need for an environment-friendly commercially viable product to replace the fast depleting peat moss. Coco peat/Coir pith is a perfect replacement for peat moss, high-quality coco peat/coir pith is abundant in India.

To bring quality coco peat products to Europe we partnered with our family friends and long-term business associates who have more than two decades of industrial experience in coir-based products. We have a vast yard to collect and keep the coco peat and our production facility is in Southern Part of India.

### Our Commitment

- Providing Premium Quality products
- Strict Quality Control
- Delivery on Time
- Modern Machinery
- Highly Qualified Staff
- Complete Customer Satisfaction
- Fairtrade policy

Cocopeat is used worldwide as a growing medium for various hydroponics crops, nurseries, plant propagation and bedding plants.

We make use of the most modern technologies and machineries along with high quality materials to produce different blends of Coir-Cocopeat Substrates. In order to guarantee a premium quality product whilst ensuring delivery targets, a continuous and ample supply of Coir Pith is required. This is why we place our factory at the heart of the coconut triangle region in India.

### Our Production facility is our strength

Our production facility plays a vital role in our quality and sustainability. We have two production plants at two different locations of South India – Dindigul and Pollachi. The entire manufacturing process is under control of highly qualified technical team. We strictly follow the international standards to achieve high quality product.

### Direct and Indirect Users

- Professional flower, vegetable growers
- Landscaping Companies
- Manufacturers of substrates
- Compost Manufactures
- Sports Field Contractors
- Florists and Garden Center retailing to householders
- Animal Breeders
- Toxic spill absorption
- An accepted thermal and sound insulating material





The hydroponic technique is suitable for wide variety of crops such as vegetables (Tomato, Pepper, Cucumber, Strawberry, Melon, Watermelon, Greenbean...), Floriculture (Gerbera, rose, Carnation, orchid...) and also for propagation nurseries (Vegetables, citrus trees, olive trees, fruit trees...) as well as certain ornamental crops sensible to root asphyxia.





### Coir – Cocopeat Raw Material

Coconut husk is the raw material for coir products. It is 100% organic & natural. This is our original substrate, made from Cocopeat raw materials directly collected from our own fibre mill. These raw materials are sieved to remove the fine particles and to improve air porosity around the roots for better growth.

### How **AspireCoco** Cocopeat becomes a high-quality growing media?

#### 1. Washing

The natural coir's salt content often has an EC value of over 4.0 mS/cm, the material is washed with clean, fresh water in order to reduce the EC value (0.5 - 1.0 mS/cm) depends upon the customer requirement.

#### 2. Buffering

In treated coir (Buffered), first we wash the coir to reduce the salt content level (EC). Strong positive elements are used to force out the Sodium (Na) and Potassium (K) elements. We use Calcium (Ca) & Magnesium (Mg) to remove the Sodium (Na) and Potassium (K). This buffering process increases the EC value to more than 3.0 mS/cm and as a third step, Coir must be washed again with clean fresh water to remove the salt content to below 0.5 - 1.0 mS/cm.

For sensitive plants, for example during propagation, the salt content is reduced to an EC value of less than 0.5 mS/cm.



### AspireCoco 5 kg Bales

Cocopeat is washed, dried & compressed into 5 kg blocks for your convenience. Cocopeat has a unique ability to withstand high compaction force without leaving its beneficial structure.

Hydrate the blocks slowly by using 25 litres of water and allow the moisture to be fully absorbed. Once the block is completely reconstituted to get the yield 70 – 75 litres.

A perfect growing media for flower and vegetable cultivation as well for soil conditioning.



### AspireCoco 650g Briquettes

650 gram briquettes are ideal for home gardening and hobby growers. Briquettes are perfect for a variety of flowering and vegetable plants.



#### 650g Coco Natural

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)
601	Natural	100% Pith Coir	Natural	20 x 10 x 5	8
602	Natural +	100% Pith Coir	Washed	20 x 10 x 5	9 - 10
603	Natural ++	100% Pith Coir	Buffered	20 x 10 x 5	9 - 10

#### 650g Coco Mulch

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)
701	Coco Chips	100% Coco Chips	Natural	20 x 10 x 5	7
702	Coco Chips	100% Coco Chips	Washed	20 x 10 x 5	8 - 9
703	Coco Chips	100% Coco Chips	Buffered	20 x 10 x 5	8 - 9

\* Specially for Orchid flowers cultivation.

\* **AspireCoco** 650 & 500 gram briquettes are available unwrapped or individually shrink wrapped with label and palletized.



#### Open Top Growbag

Compressed Size (cm)	Expanded Vol. (Lts)	Units Per Pallet	Pallet Per 40' HC	Units Per 40' HC	Sieving Double Sieved)
25 x 20 x 4	25 x 20 x 16 (12)	460 Per Piece	40 Per Piece	18,400	3/4"
25 x 18 x 5	25 x 18 x 20 (15)	450 Per Piece	40 Per Piece	18,000	3/4"
30 x 20 x 5	30 x 20 x 20 (18)	400 Per Piece	40 Per Piece	16,000	3/4"
30 x 20 x 5	30 x 25 x 20 (18)	400 Per Piece	40 Per Piece	16,000	3/4" + Chips
19 x 21 x 10	21 x 23 x 20	300 Per Piece	40 Per Piece	12,000	Cocopeat



There are five type of textures

- Natural
- Mix
- Pro
- Premium
- Supreme

These textures are available in washed, unwashed & buffered growbags.



#### AspireCoco Substrates

**Growbag** have become a popular choice for multipurpose growing medium for vegetables, fruits & flowers. Our Substrates growbags are 100% natural. Growbags are made up of a special blend of coir pith and chips, designed to provide the ideal air to water ratio for hydroponics.

Growbags are packed in high density, co-extruded plastic bags, which are UV treated at least a minimum of 2 years. Another advantage is that they are easy to transport before re-hydration and can be stocked for months as they are compressed dry.

### AspireCoco Substrates – Natural

- 100% Cocopeat.
- Less than 1 mm fines removed.
- Fibres in the Cocopeat improve the water circulation in the substrate and give a better root colonization.
- We are using high quality Cocopeat which guarantees a maximum expansion when watering and long term stability for the substrate.
- The slab has an air holding capacity of 20 % volume at full water saturation. Made of fine coco material suitable for Tomato, Cucumber, Strawberry & flowers.

### AspireCoco Substrates - Mix

**AspireCoco** Substrates – Mixgrowbags is made from a blend of 75% sieved cocopeat and 25% coco chips. Double sieved less than 1mm fine particles removed. Our Mix growbags are homogeneously mixed. It improves the root development of the crop and a quick start of the culture. Mix has high air content and ensures optimum Oxygen in the roots.

It represents a higher air/water ratio. **AspireCoco** Substrates Mix is the perfect substrate for modern climate. It is adaptive, offering generative or vegetative growth according to climate and for cultivation management.



We manufacture 90 different sizes (L X W X H), with and without pre-cut plant and drainage holes. Pre-drilled holes for adding the drippers more easy are also optional. And we also do as per customer requirement.

We can deliver our substrates in pre-cut bags with planting holes, water drip holes & drain grooves for easier preparation and labour cost cutting.

Grooves will be provided in slabs as per customer request for good drainage capacity.



### AspireCoco Substrates – Pro

**AspireCoco** Substrates – Pro growbag is a new generation Product, made from a blend of 50% sieved cocopeat and 50% coco chips/crush manufactured by slicing the entire coconut husks. Double sieved less than 1mm fine particles removed.

### AspireCoco Substrates – Premium

**AspireCoco** Substrates – Premium growbag is made from a blend of 30% sieved cocopeat and 70% coco chips/crush manufactured by slicing the entire coconut husks. Double sieved less than 1mm fine particles removed.

### AspireCoco Substrates – Supreme

**AspireCoco** Substrates – Supremegrow bag is a new generation Product, made from a 100% coco crush chips manufactured by slicing the entire coconut husks. Double sieved less than 1mm fine particles removed.

It presents a high air/water ratio. Both products are mixed homogeneously to achieve the best possible filling. **AspireCoco** Substrates – All the above are perfect substrate for modern climates. Therefore it suits perfectly for growing cucumbers and roses.





### Available Sizes

Compressed Size (cm) (L x W x H)	Expanded Size (cm) (L x W x H)	Volume (in Liters)	GB Per Pallet
100 x 15 x 3	100 x 15 x 10	14.36	795
100 x 18 x 4	100 x 18 x 16.5	28.30	395
100 x 20 x 4	100 x 20 x 13.54	26.06	430
100 x 22 x 3	100 x 22 x 10	21.78	530
120 x 15 x 3	120 x 15 x 10	17.40	665
90x 15 x 4	90x 15 x 12	15.66	735
90x 15 x 3	90x 15 x 9	12.53	985
72 x 20 x 4	72 x 20 x 12	16.61	710
60 x 15 x 3	60 x 15 x 10	8.70	1325
50 x 20 x 4	50 x 20 x 11	10.73	1060

Other sizes can be manufactured as per customer's requirement

### AspireCoco 25Kg Bales

Coco peat 25Kg Bags specially designed as most convenient product for commercial growth such as farms, potting mixtures, landscaping and seed generation and also used in Golf course settings for soil conditioner and mushroom industry as well. Due to low compression ratio it is easy to handle and easy to break.

25 kg Coco peat / Coco peat bale has the moisture content between 35-45% and It can be provided in printed or un printed poly bags and further more we like to customize the product in order to meet your requirements exactly. Also available according to customer specifications



## AspireCoco Discs

AspireCoco Discs have been specially designed to provide the best start for your young gerbera plants.

- Rapid and more dense rooting
- No re-wetting problems
- Excellent buffering properties
- 100% organic and environmentally friendly



Disk Diameter (cm) Weight (g)	Expansion	Units per Box (Per Pallet)	Units Per 20' GP	Units Per 40'	Material Type
13.5 (350)	3.5 Lts	44 (2,816)	28,160	56,320	Husk Chips Mixed
22 (1100)	13 Lts	16 (800)	8,000	16,000	Husk Chips Mixed
4 (20-25)	250ml	250 (31,250)	312,500	625,000	Regular 3/4" Sieving
6 (40-45)	500ml	150 (15,600)	156,000	312,000	Regular 3/4" Sieving
7.5 (70-76)	1 Ltr	130 (13,520)	135,200	270,400	Regular 3/4" Sieving
10 (110)	1.5 Lts	120 (8,640)	86,400	172,800	Regular 3/4" Sieving
16 (350)	3.5 Lts	36 (2,160)	21,600	43,200	Regular 3/4" Sieving
22 (1110)	13 Lts	16 (800)	8,000	16,000	50% Crush 50% & 3/4" Sieving



- Different sizes are available based upon quantity requested.
- Physical and chemical structure for different kinds of disks can be specially ordered - depending upon quantity requested and stock available

## COIR GEO-TEXTILES

Coir geo textiles are best for controlling soil erosion and conditioning soil. Made from coir fibre, they are naturally resistant to rot and moulds and is cheaper than synthetic geo-textiles. They hold soil in place and prevent erosion, dissipating the force of heavy rains and run of water. It provides good soil support for years, allowing natural vegetation to become established.

Coir geo textiles promote the growth of new vegetation by absorbing water and preventing the topsoil from drying out. As it has strength and durability, it protects slopes and help natural vegetation to take root. They have varying densities depending on their application. Over a period of time the eco friendly and biodegradable coir disintegrates completely, leaving only humus.



Standard roll size available are:

Length: 10 metre to 50 metre

Breadth: 1 metre to 4 metre

- Coir Geo Textiles can dissipate the energy of flowing water and absorb the excess solar radiation.
- Can be successfully utilized in controlling even the steepest of slopes from erosion.
- Can absorb water, allowing re-vegetation in low rain areas.

### Benefits of Coir Geo-textiles:

- 100% Natural fibre, extracted from coconut husk
- Adds organic material to soil
- Promotes vegetative growth
- 100% Bio-degradable and environmentally friendly
- Tough, durable, versatile and resilient
- High tear-strength resistance
- Easy to install/maintain/ patch-up.
- High tensile strength

SPECIFICATIONS		
Parameter	Weight (gm/m <sup>2</sup> )	Total Roll Area (m <sup>2</sup> ) in a 40HC
Type-A	400	14000 Sq.M
Type-B	700	13000 Sq.M
Type-C	740	12000 Sq.M
Type-D	900	10000 Sq.M
Type-D	1100	9000 Sq.M

400 gsm



700 gsm



900 gsm





## COIR LOG

Coir Logs are a biodegradable erosion control product for hills, banks, shorelines, and other erosion prone areas. These coir fiber logs create a natural control area that helps establish growth and control erosion. Coconut coir logs have been effectively used for **erosion control** in restoration projects, stabilization areas, and construction job sites.



Standard design of the coir log features strong biodegradable erosion control materials of outer coir twine netting that surrounds a mixture of mattress coconut coir. An erosion control coir roll has a typical lifespan of 2 to 5 years.



### BENEFITS OF COIR LOG

- Easy to Install
- Provides Nutrients to Surrounding Area
- Allows for Deep Rooting of Plants
- Helps Build into Existing Contours
- Requires no Chemical Treatment
- High Air and Water Permeability
- Environmentally Friendly
- Safe for Surrounding Wildlife
- Biodegrades over 2-5 years
- Effectively Holds Seeds and Saplings in Place

### WHERE TO PLACE A COIRLOG

- In flowing water areas:** Coir log rolls can be placed directly on the bank, often retaining fill material or securing new channel alignment.
- In standing water:** Coconut coir logs are placed offshore to break waves and encourage sedimentation and re-vegetation. They can also be used for wetland stabilization. Other standing water applications include placing coir logs along lake shores or even small ponds to protect against erosion.

## COIR MATTINGS



Our company has achieved widespread recognition for offering Coir Matting roll to the clients. This product is appreciated among our clients for high quality, light weight, structure and dimensional accuracy. Coir matting roll is manufactured by using the supreme quality of raw material in compliance with the advanced technology.

Title	Explanations
Standard Sizes Available - Length	1m, 2m, 3m, 4m etc.,
Standard Sizes Available - Width	25m, 30m, 50m etc.,

### AspireCoco Fibre Bale



Bale weight: 105-110 kgs.  
 Loadability of 40' HC: 187 - 190 Bales  
 Moisture < 15%      Colour: Brown/White  
 Impurities < 5%      Coir Dust < 5%  
 Length 4-10cm - 60%; 10-15cm - 40%  
 Packing - Steel Strap

### AspireCoco Curled Coir Rope



Moisture < 15% Impurities < 12%  
 No. of curls/30cm: 16-20  
 Diameter: 20±2mm  
 Loadability of 40'HC - 18 to 19 Tones.  
 Fibre Length: Above 150mm: 22%;  
 100 to 150mm: 36%; <100mm: 30%  
 Bundle: 25-30kg

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