



100%  
Organic &  
Eco-Friendly





## About Sai Group

Sai Group of Companies have more than 20 years of experience in coconut & coir products. Sai Cocopeat Export Private Limited and Sai Substrates are the two divisions in which we manufacture 100% Natural and Organic Coir Products to the horticulture, floriculture & substrates Industry. Sai Cocopeat Coir is used worldwide as a growing medium for various hydroponics crops, nurseries, plant propagation and bedding plants.

Sai group of Company makes 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.

"Customer Satisfaction is our Motto"

## Our Production facility is our strength

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

## The facts

Sai Cocopeat have different recognitions that support our quality.

OMRI Seal ensures that our products can be used in certified organic production, according to the National Organic Program Rule of USA.

ISO 9001:2008 Certification assures our commitment to quality and environment.









### Complete Solution for which crops?

The hydroponic technique is suitable for wide variety of crops such as vegetables (Tomato, Peper, 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 fiber mill. These raw materials are sieved to remove the fine particles and to improve air porosity around the roots for better growth.

## How Sai Cocopeat Coir 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 from 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.





Sai Coco Chips



Sai Cocopeat produces 3 different grades of coir husk chips. The various coco chips sizes provide an excellent means of balancing air to water ratio for different applications.


Coco chips are popular among anthurium and orchid growers. They are also ideal for mulching as coco chips greatly increase the air porosity in soil.

Available in 4.2kg  
Breakout volume: 15 litres per kg (approx).  
Size: 30 x 30 x 15cms

Sai Cocopeat 5 kg Bales

Product Specifictaion in different mix

5kg Coco Natural

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)	
101	Natural	100% CP	Natural	30 x 30 x 12-15	60 - 65	
102	Natural +	100% CP	Washed	30 x 30 x 12-15	70 - 75	
103	Natural ++	100% CP	Buffered	30 x 30 x 12-15	70 - 75	

CP - Coir Pith

5kg Coco Mix

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)	
201	Mix	75% CP + 25% Chips	Natural	30 x 30 x 12-15	60	
202	Mix +	75% CP + 25% Chips	Washed	30 x 30 x 12-15	70	
203	Mix ++	75% CP + 25% Chips	Buffered	30 x 30 x 12-15	70	

CP - Coir Pith

4.5 - 5kg Coco Pro

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)	
301	Pro	50% CP + 50% Chips	Natural	30 x 30 x 12-15	60	
302	Pro +	50% CP + 50% Chips	Washed	30 x 30 x 12-15	70	
303	Pro ++	50% CP + 50% Chips	Buffered	30 x 30 x 12-15	70	

CP - Coir Pith

4.5 - 5kg Coco Premium

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)	
401	Premium	70% Chips + 30% CP	Natural	30 x 30 x 12-15	60 - 65	
402	Premium +	70% Chips + 30% CP	Washed	30 x 30 x 12-15	70 - 75	
403	Premium ++	70% Chips + 30% CP	Buffered	30 x 30 x 12-15	70 - 75	

CP - Coir Pith

4.2 - 4.5kg Crush Supreme

Product Code	Product Name	Texture	Quality	Compressed Size (cm)	Expanded Vol. (Lts)	
501	Supreme	100% CC	Natural	30 x 30 x 12-15	60	
502	Supreme +	100% CC	Washed	30 x 30 x 12-15	70	

CC - Coco Crush



## Sai Cocopeat 5 kg Bales

Cocopeat is washed, dried & compressed into 5 kg blocks for your convenience. Cocopeat/Coco Coir/ Coco Fiber has a unique ability to withstand high compaction force without leaving its beneficial structure. Hydrate the blocks slowly by using 25 liters of water and allow the moisture to be fully absorbed. Once the block is completely reconstituted to get the yield 70 – 75 liters. Now you are ready to use it to improve your potting soils or use as a 100% soil less growing medium. A perfect growing media for flower and vegetable cultivation as well for soil conditioning.



\*Blocks are available in naked form and shrink wrapped







## Sai Cocopeat 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% Coir Pith	Natural	20 x 10 x 5	8
602	Natural +	100% Coir Pith	Washed	20 x 10 x 5	9 - 10
603	Natural ++	100% Coir Pith	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.
- \* Sai 650 & 500 gram briquettes are available unwrapped or individually shrink wrapped with label and palletized.



## Sai Cocopeat 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







### Sai Cocopeat Disks

Sai Cocopeat Disks 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 (15,000)	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



### Sai Cocopeat Fiber Bale

Own Production Capacity: 9 Mt. Tones/Day  
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



### Sai Cocopeat Curled Coir Rope

Own Production Capacity: 7.5 Tones/Day  
Moisture < 15% Impurities < 12%  
No. of curls/30cm: 16-20 Diameter:  
20±2mm  
**Fibre Length:** Above 150mm: 22%;  
100 to 150mm: 36%; <100mm: 30%  
Bundle: 25-30kg  
Loadability of 40'HC - 18 to 19 Tones.





There are five type of textures

**Natural**

**Mix**

**Pro**

**Premium**

**Supreme**

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

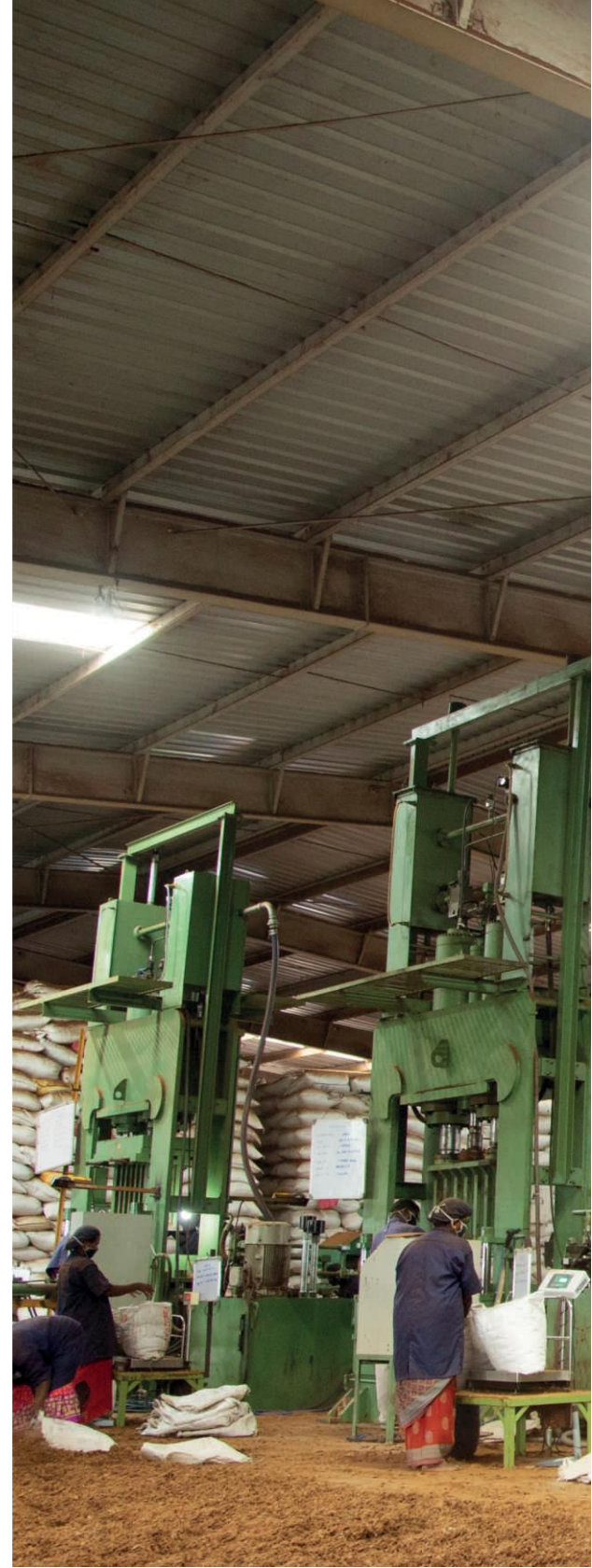




### Available Sizes

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 13.5	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
90 x 15 x 4	90 x 15 x 12	15.66	735
96 x 15 x 3	96 x 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 160<sup>+</sup> sizes can be manufactured  
as per customer's requirement











### Sai Substrates – **Natural**

- 100% Cocopeat.
- Less than 1 mm fines removed.
- Fibers 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 if fine coco material suitable for Tomato, Cucumber, Strawberry & flowers.

### Sai Substrates - **Mix**

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







### Sai Substrates - **Pro**

Sai 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.

It presents a high air/water ratio. Both products are mixed homogeneously to achieve the best possible filling. Sai Substrates – Pro is the perfect substrate for modern climates. Therefore it suits perfectly for growing cucumbers and roses, especially in hotter climate.

### Sai Substrates - **Premium**

Sai 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.

It presents a high air/water ratio. Both products are mixed homogeneously to achieve the best possible filling. Sai Substrates – Premium is the perfect substrate for modern climates. Therefore it suits perfectly for growing cucumbers and roses, especially in hotter climate.

### Sai Substrates - **Supreme**

Sai 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. Sai Substrates – Supreme is the perfect substrate for modern climates.

We manufacture 160 different sizes (LXWXH), with and without precut 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 groves for easier preparation and labour cost cutting.

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







### **Sai Substrates Growbag**

Sai Substrates growbags have become a popular choice for multipurpose growing medium for vegetables, fruits & flowers. Our Sai 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. Our strict quality control regime ensures that only the best coir products reach our customers.

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.









### **Raspberry and Blackberry Substrates**

The Raspberry and Blackberry Substrates requires high water holding capacity and reduced air porosity for better production of the fruit. Considering this aspect we increase the content of cocopeat in the mix.

The suggested size for raspberry and blackberry cultivation:

- 20 x 20 x 21 cm
- 25 x 25 x 25 cm

Custom sizes can also be manufactured as per the client's requirement.





### Blueberry Substrates

Sai Substrates Blueberry substrates are a combination of Cocopeat and Coco chips for appropriate air porosity and water retention for the blueberry crop. The advantage of using a higher amount of coco chips is that they improve drainage, encourage root growth, and have a high capacity for aeration, preventing fungus issues at the roots, as well as providing the roots with a lot of space and comfortable growth.

Suggested sizes :

- 30 x 30 x 30 cm with Bag or naked blocks
- 35 x 35 x 35 cm with Bag or naked blocks
- Round shaped blue berry substrates, according to clients required pot size

Any Custom size of Square and Round shapes can also be manufactured as per the client's requirement.

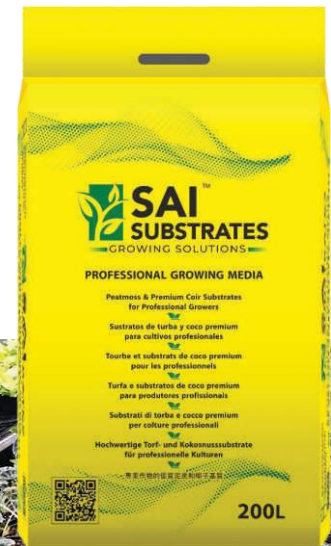


## Professional growing media

Sai Substrates manufactures soilless growing media for professional horticulture market with high-grade raw materials of Indian premium cocopeat, European Baltic peatmoss (sphagnum) enriched with fertilizers (NPK + micro elements). Sai Substrates provides necessary nutrition for the first weeks of cultivation, a period that can vary according to the demand of the plant and for this reason, subsequent fertilizers are recommended when necessary. It is an ready to use substrate & it is in a Form of 200 liters bales , the average weight of the bale is 37kg/bale.

Our professional mixtures are designed for different cultivation phases such as :

1. Germination : Growing media for seedling trays and short-term crops (6 mm sieved).
2. Propagation : Growing media for seed growing and young plants propagation.
3. Vegetation : Growing media for all types of vegetable cultivation.
4. Flowering : Growing media for flowers and green plants for long term.
5. Berries : Growing media specially designed to cultivate soft fruits.
6. Tailor made : Growing media prepared as per client's requirement.





# Fresh ideas®

Designed for  
Home Gardeners



## Flowering



## Vegetation



## Berries





## Sai Substrates Coir Weed Caps

Plants are surrounded by dense, hard coir caps to keep weeds from growing nearby. Weed caps are square or round according to client's request, varied in density with latex coated for durability and range in size from 4 to 36 inches. They feature centre holes and slits to suit the plant's trunk, and they block the sun's light so that weeds cannot grow through them. That specific plant will absorb all available nutrients for greater and quicker growth. By reducing evaporation and retaining soil moisture, weed covers help to keep soil temperatures steady. caps that last between six and eighteen months, provided to the customer's specifications. Environmentally friendly, biodegradable, and manufactured from Coir Fiber with the capacity to drain and breathe.



## Coco Cubes

Sai Substrates Grow Cube is compressed into a compact slab and completely sealed, to prevent any loss of coco material in the planting area. Through the drainage openings at the bottom, the Propagation Cube receives water and nutrients, growing to its final size. For young plants, the special air-water ratio produces the ideal development in roots. The cube may be directly placed on the coco slabs after propagation.

Suggested Sizes

- 7 x 7 x 7cm
- 10 x 10 x 7cm
- 15 x 10 x 7cm
- 20 x 10 x 7cm



Custom sizes can also be manufactured as per the client's requirement.



Beyond our core product line, Our company also engages in sustainable and environmentally responsible practices, reflecting a commitment to green business operations. We prioritise the use of renewable resources and sustainable practices, aligning with the global push for eco-conscious horticulture and agriculture.

As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. We have installed around 400KVA solar panels to fulfill our industrial needs.



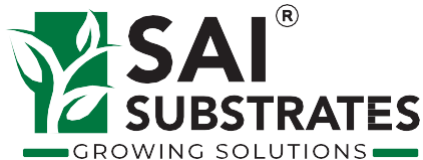


**Sai Substrates Private Limited**  
**Sai Cocopeat Export Private Limited**  
(ISO 9001-2015 Certified Company)

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