



# VM GLOBAL IMPEX LLP



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EcoPlant Substrate Solutions



# Premium Cocopeat Block - 5 kg

## Product Description:



- Size: 30 × 30 × 12 cm (±2 cm)
- Block Weight: 5 kg (± 200 g )
- Expansion Volume: 70–80 liters
- Compression Ratio: 5:1
- Material: 100% natural coconut coir pith
- EC (Electrical Conductivity): < 0.5 mS/cm
- pH: 5.5–6.5
- Moisture Content: <16%
- Water Holding Capacity: ~15 Litres
- Fibre Content: < 3%
- Sand Content: < 3%
- Dust Content: < 3%

## Processing Details:

- Washed/Double washed
- Sieved & screened ( 6mm mesh Size)
- Free from pathogens and weeds
- No chemical additives

## Packaging Details :

- Individual shrink-wrapped blocks
- Palletized export packing
- Loading: ~24–26 MT per 40' HC container

## Applications :

- Nursery and seed germination
- Potting mixes Soil conditioning
- Greenhouse vegetable cultivation

## Container Loading Details – 40HC

- Blocks per pallet: 200 – 220 PCS
- Weight per pallet: ≈ 1000–1100 kg
- Container Capacity (40 HC)
- Pallets per container: 20 – 22
- Total blocks: 4,000–4,400 PCS
- Total weight: ≈ 20 – 22 Tons

# Growbags (Coir Substrate Grow Bags)

## Product Overview:

- Product Name: ECOPLANT Growbags
- Form: Ready-to-use compressed grow bag
- Application: Greenhouse vegetables / Hydroponics / Floriculture / Berries



## Material Composition (Customizable):

Blend Option	Composition
Standard	70% Coco Peat + 30% Coco Chips
Medium Drainage	60% Coco Peat + 40% Coco Chips
High Drainage	50% Coco Peat + 50% Coco Chips

## Technical Parameters :

- EC: Low EC (<0.5 mS/cm) – Washed
- pH: 5.2 – 6.2
- Moisture: 15 – 18%
- Water Holding Capacity: 60 – 70%
- Air Filled Porosity: 25 – 35%
- Fine Dust Content: < 3%
- Fibre Content: Controlled
- Rewetting Ability: Excellent
- Compression Ratio: 5:1



## Size & Weight Options (Weight-Based Model) :

Slab Weight	Expanded Size (cm)	Compressed Size	Volume	Blend Options
3.2 kg	100×18×15	95×16.5×4	28.8 L	60+40 / 70+30
3.1 kg	100×18×15	Custom	~28 L	70+30
2.1 kg	100×18×10	Custom	~18 L	60+40 /
2.0 kg	100×18×10	Custom	~18 L	70+30
1.7 kg	100×15×10	Custom	~14 L	60+40 /
1.6 kg	100×15×10	Custom	~14 L	70+30

Custom sizes available

Drain holes & plant holes as per irrigation layout



### Packing & Protection

- UV Treated Poly Bag (3-year UV life)
- Inner Layer: Black Outer Layer: White / Black
- Stretch wrapped pallets
- Plastic strapping
- High compression for export



### Container Loading Details – 40HC

- Bags per pallet: 350 to 400
- PCS Pallets per container: 20
- Total bags: 7,000 to 8000
- PCS 1 pallet  $\approx$  1000 kg



### Application Recommendation

- Tomato
- Cucumber
- Capsicum
- Berries
- Hydroponic
- Systems Nursery

# Coco Chips (Washed / Unwashed)

Coco chips are used to improve substrate structure by increasing aeration and drainage, making them an essential component in professional growing media.”

- Product Name: Coco Chips (Coconut Husk Chips)
- Material: 100% natural coconut husk
- Form: Compressed has 5 kg bricks and is blended with cocopeat (customized ratio)
- Application: Substrate component for aeration & drainage
- Chip size: 4–14 mm / 10–20 mm / 0–4 mixed fibers / customized
- Low EC (< 0.5 mS/cm) (washed) / High EC option
- pH: 5.5–6.5
- Moisture: 15–18%



## Product Description :

- Blend ratios: 70/30 (Cocopeat + Chips), 60/40, 50/50 (customized)
- Structure: Coarse, fibrous chips
- Air-Filled Porosity: 30–40% (very high)
- Water Holding Capacity: Moderate
- Drainage: Excellent
- Fibre Content: High
- Dust Content: < 3%
- Packing: compressed blocks Shrink-wrap Palletized export packing
- Washed / Double washed (low EC option)
- Screened & graded
- Free from pith dust and impurities
- No chemical treatment

## Advantages :

- Tomato / Cucumber / Capsicum / Berries
- Nursery/Hydroponics/Floriculture

## Applications :

- Greenhouse cultivation
- Hydroponic systems
- Orchid growing
- Potting mixes
- Substrate blending with cocopeat

# Coir Fiber (Coconut Fiber)

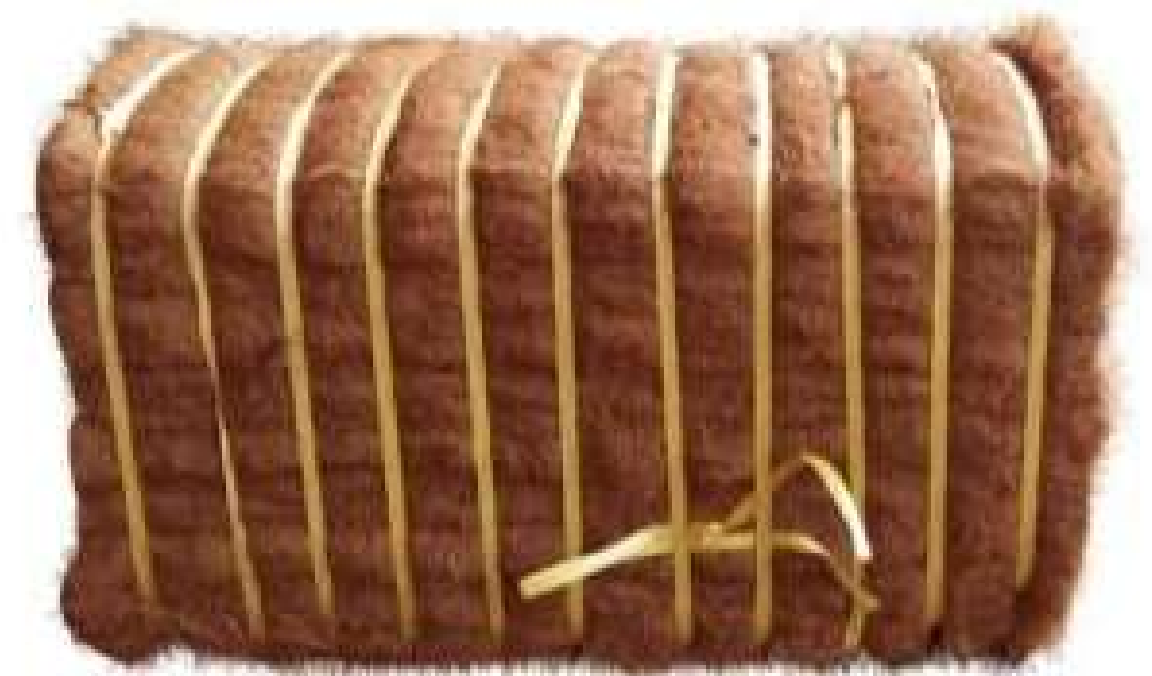
## Product Description:

Coir Fiber (Coconut Fiber) is a natural, eco-friendly fiber made from coconut husks. It is strong, durable, and versatile, used for making ropes, mats, brushes, mattresses, and packaging materials.

It has good moisture resistance, high strength, and long-lasting performance.

## Product Specifications:

- Material: 100% natural coconut husk fiber
- Form: Compressed Bales 30kg / 120 kg
- Color: Brown
- Fiber Length: 5–25 cm (short / medium / long – customizable)
- Moisture Content: < 15%
- Fibre Content: High
- Impurities: Minimal
- Eco-Friendly: Yes
- Biodegradable: Yes





### **Processing Details:**

- Extracted from mature coconut husks
- Mechanically processed and cleaned
- Dust and impurities removed
- Dried to maintain optimal moisture level
- Graded and packed for quality consistency

**01**



### **Packaging Details :**

- Packed in compressed bales
- Standard bale weight: 100–120 kg (or as required)
- Wrapped with PP straps / plastic covering
- Easy to handle and transport
- Customized packaging available on request

**02**



### **Applications :**

- Rope and cordage making
- Mats and carpets
- Brushes and brooms
- Mattress and upholstery filling
- Packaging and cushioning materials
- Erosion control and geo-textile products

**03**

## Product Description:

Coir Mulch Mat is a natural, eco-friendly mat made from coconut fiber. It helps retain moisture, reduce soil erosion, and protect the surface. It is durable, biodegradable, and widely used in agriculture, landscaping, and ground cover applications

## Product Specifications:

- Material: 100% natural coconut coir fiber
- Color: Brown
- Shape: Round
- Diameter: 30 cm / 45 cm / 60 cm (custom sizes available)
- Thickness: 5–12 mm / As required
- Moisture Retention: High
- Biodegradable: Yes (100% eco-friendly)
- Weed Control: Excellent
- Water Permeability: Good





## Advantages:

- Retains moisture
- Controls weed growth
- Protects roots
- Eco-friendly and biodegradable
- Easy to use and durable

## Packaging Details :

- Packed in bundles or bales
- Lightweight and easy to handle
- Safe for transport
- Customized packing available

## Applications :

- Tree basins
- Gardening & landscaping
- Horticulture farms
- Nurseries
- Plantation crops
- Soil protection
- Erosion control



# Coir Moss Stick (Coir Pole / Plant Support Stick)

## Product Description:

Coir Moss Stick is made from natural coconut fiber and used to support climbing plants. It helps plants grow upright and stay healthy. It is eco-friendly, strong, and durable.



## Advantages:

- Provides strong plant support
- Promotes healthy vertical growth
- High moisture retention
- Eco-friendly and biodegradable
- Durable and easy to use

## Packaging Details :

- Packed in bundles
- Quantity: As per size and requiremen
- Lightweight and easy to handle
- Safe for transport
- Custom packaging available



- Indoor plants (Money plant, Monstera, Philodendron)
- Nurseries & gardening
- Landscaping
- Greenhouses

## Applications :

# Needle Felt (Coir / Natural Fiber Felt)

Needle felt is made from natural coconut fibers. It is durable, eco-friendly, and used for cushioning, filtration, erosion control, and industrial applications. It provides good water retention, flexibility, and long-lasting performance.

- Material: 100% natural coir fiber / natural fibers
- Form: Needle-punched felt sheet / roll
- Thickness: 5–15 mm (customizable)
- Width: 1–2 m (custom sizes available)
- Length: As required (roll form)
- Water Retention: High
- Air Permeability: Good
- Biodegradable & Eco-Friendly: Yes
- Durability: Strong and long-lasting

## Processing Details:

- Extracted from natural coconut fibers
- Fibers cleaned and sorted
- Needle-punched to form sheets or rolls
- Dried and compressed for durability
- Cut and packed as per required size



## Advantages :

- High water retention
- Good air permeability
- Durable and long-lasting
- Biodegradable and eco-friendly
- Provides cushioning and insulation

- Mattress and upholstery padding
- Geotextiles and erosion control
- Filtration and industrial use
- Cushioning and packaging materials
- Landscaping and gardening

## Applications :

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