

F.No. 7(1)/2015- PL  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**

Indira Paryavaran Bhawan  
Aliganj, Jor Bagh, New Delhi 110003  
Dated: 9<sup>th</sup> January, 2018

**OFFICE MEMORANDUM**

**Subject: Draft Ecomark Criterion on Coir and Coir Products for Public Consultation**

The Ministry of Environment, Forest and Climate Change implements a Scheme on Ecolabeling environment-friendly products, covering 14 product categories. The Ecolabel, titled 'Ecomark' is granted to proponents who already have a product certificate mark from Bureau of Indian Standards (BIS), for a specific product.

2. The criterion for Coir and Coir Products has been revised keeping in view the current market dynamics and consumer awareness for eco-friendly products. The Ministry of Environment, Forest and Climate Change invites comments from the general public on the draft Ecomark criteria on Coir and Coir Products. Comments, if any, may be provided to the designated officer, Sh. A.K. Pateshwary at [ak.pateshwary@gov.in](mailto:ak.pateshwary@gov.in) by 7<sup>th</sup> February 2018 (5 PM).

**(Manoj Kumar Rai)**  
Under Secretary  
Tel: 011-24695404

Encl: as linked

**US (IT Cell)**

## **Ecomark criteria for Coir and Coir Products**

(As approved by the duly constituted Ecomark Technical Committee during its meeting held on 24 Nov 2017)

### **1. General Requirements:**

**1.1** Product manufactures shall meet the requirements specified in the relevant Indian Standards formulated by Bureau of Indian Standards (BIS):

#### **a) Coir Fibre**

- i. IS 898:1985 Specification for Retted Coir Fibre (Second revision)
- ii. IS 9308 (Parts 1 to 3):1987 Specification for Mechanically Extracted Coir Fibres (First revision)
- iii. IS 9308 (Part 4):1999 Specification for Mechanically Extracted Coir Fibre Part 4 Machine Twisted Curled Coir Fibres

#### **b) Coir Products**

- i. IS 11420 (Parts 1 to 9):1985 Specification for coir mats
  - Part 1 General requirements
  - Part 2 Corridor mats
  - Part 3 Door mats — Creel, bit and fibre
  - Part 4 Door mats – Rod
  - Part 5 Gymnasia mats
  - Part 6 Loop mats
  - Part 7 Mesh mats
  - Part 8 Rope mats (Lover’s knot mats)
  - Part 9 Sinnet mats
- ii. IS 12503 (Parts 1 to 6) : 1988 Coir - mattings, mourzouks and carpets
  - Part 1 General requirements
  - Part 2 Coir mattings

Part 3 Ribbed coir mattings

Part 4 Coir mourzouks

Part 5 Coir carpets

Part 6 Coir mattings for cricket pitches

iii. IS 14596:1998 Coir products- 2- Ply coir yarns spun by manual operation- Specification

iv. IS 15340:2003 Coir felt— Specification

v. IS 15869:2008 Textiles - Open Weave Coir Bhoovastra – Specification

vi. IS 1410:2001 Textiles — Coir Ropes — Specification (Third Revision)

vii. IS 16338: 2015 Fibre Ropes – Coir Twine for Trailing Hop Vines — Specification

**c) Coir Pith (Indian standard on the subject is under development)**

**d) Rubberised coir:**

i. IS 8391:1987 Specification for rubberized coir sheets for cushioning (First Revision)

ii. IS 11060:1984 Specification for moulded rubberized coir cushioning

**e) Coir composite boards:**

i. IS 14842 : 2000 Coir veneer board for general purposes - Specification

ii. IS 15491:2004 Medium density coir boards for general purposes - Specification

iii. IS 15877:2010 Coir faced block boards - Specification

iv. IS 15878:2010 Coir hardboard for general purposes - Specification

**1.2** The product manufacturers must produce the consent clearance, as per the provisions of water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and the authorization(s), if required under the rules notified under the Environment (Protection) Act, 1986 as applicable, and the rules made there under, to BIS while applying for Ecomark.

**1.3** The product(s) or product packaging(s) may display in brief the criteria based on which the products has/have been labelled environment friendly.

**1.4** The material used for product packaging(s) shall be recyclable, reusable or biodegradable.

**1.5** BIS may include Ecomark criteria for new products developed under these categories.

## 2. Product specific requirements

S. No.	Parameters	Coir Fibre	Coir products	Coir Pith	Rubberised coir	Coir Composite Boards	Test Methods
1.	Residual pesticides (Sum parameter) (ppm) (Max)	1.0	1.0	1.0	1.0	N.A.	IS 15651
2.	pH of aqueous extract	6-7	6-7	6-7	6-7	6-7	IS 8391
3.	Total Chloride content (%) as Cl, Max	N.A.	N.A.	N.A.	N.A.	0.3	IS 4202
4.	Total Sulphate content (%) as SO <sub>4</sub> , Max	N.A.	N.A.	N.A.	N.A.	0.2	IS 4203
5.	Free and Releasable Formaldehyde (ppm) (max)	N.A.	300  (For coloured Product only) (Total of free and released formaldehyde)	N.A.	N.A.	i) 80 (Free Formaldehyde)	IS 14563 (Part-1 & 2) for Coir Products  i) IS13745 for Coir Composite Boards

						ii) 0.124 mg/m <sup>3</sup> (Releasable Formaldehyde)	ii) IS/ISO 12460-1 for Coir Composite Boards
6.	Extractable heavy metals by artificial acidic sweat (ppm) (Max) a. Antimony (Sb) b. Arsenic (As) c. Lead (Pb) d. Cadmium (Cd) e. Mercury (Hg) f. Chromium Total (Cr) g. Cobalt (Co) h. Copper (Cu) i. Nickel (Ni)	NA		NA	NA	N.A.	IS 15651
7.	Pentachlorophenols (PCP), (ppm) (Max)	N.A.	0.5	N.A.	N.A.	N.A.	IS 15651
8.	Banned aryl amines from azo dyes, (ppm) (Max)	N.A.	30.0	N.A.	N.A.	N.A.	IS 15570

**N.A. Not Applicable / Required.**