



IS 12503 (Part 1 to 6): 2020- Coir — Mattings, Mourzouks and Carpets

Coir mattings are woven on power looms or handlooms, using aloe, sisal, or jute strands in the warp and weft to form patterns. **Coir mourzouks**, heavier and more durable, are woven on special looms with designs created by the weft, allowing intricate patterns. The warp ends are drawn back into the fabric for a strong finish. **Coir carpets**, also called "Alleppey Carpets," use double warp threads for added thickness and a ribbed texture. Additionally, **coir matting for cricket pitches** is a specialized product made from specific coir yarn to meet the sport's requirements.

Consumers expect coir mattings, mourzouks, and carpets to be durable, moisture-resistant, and aesthetically appealing. Key factors include strength to withstand foot traffic, resistance to mold and mildew, and consistent color and texture. Non-slip features are essential for safety, especially in high-traffic areas. Eco-friendliness, easy maintenance, and custom options are also important, as is the quality of the weave to ensure longevity and aesthetic consistency, free from defects like gaps or loose threads.

Indian Standard IS 12503 (Part 1 to 6): 2020 defines specifications for coir-based products like mattings, mourzouks, and carpets. It covers general requirements, including eco-friendly Ecomark standards, terminology, dimensions, and testing methods. **Parts 2 to 6** detail specific requirements, ensuring durability and suitability for various flooring applications.

IS 12503 (Part 1 to 6) ensures eco-friendliness of coir products through tests for **residual pesticides, formaldehyde, extractable heavy metals**, and other banned substances. Measurement of parameters such as **ends per dm, picks per dm** and **mass per unit area** given in the standard ensure that the material produced is of quality strength and fineness. Through its provisions, the standard emphasizes sustainability, easy maintenance, and customization, while specifying weave quality for durability and uniformity. Thus, to sum up, compliance of coir products to the standard helps meeting them consumer expectations for functionality, safety, sustainability, and visual appeal.