# Indian Valley Industries, Inc.

## Technical Data Sheet

IVI Coir 400

Standard Roll Size - 13.1’ x 83’ (4m x 25m) and 6.5’ x 165’ (2m x 50m)

**This is to certify that IVI Coir will meet or exceed the following typical values when tested in accordance with the proper ASTM method or as observed values.**

| PRODUCT TEST DATA | | |
|---|---|---|
| **Physical Property** | **Test Method** | **Typical Value** |
| **Material** | | Woven Matting of Coir Yarn<br>High Strength Retted Coconut Fiber |
| **Color** | | Natural / Earth Tone |
| **Thickness** | ASTM D-5199 | .35 inches |
| **Mass Per Unit Area (min)** | ASTM D-5261 | 11.8 oz./sy |
| **Wide Width Tensile - Dry MD x CD** | ASTM D-4595 | 504 x 480 lbs/ft |
| **Wide Width Tensile - Wet MD x CD** | ASTM D-4595 | 456 x 360 lbs/ft |
| **Maximum Elongation - Dry MD x CD** | ASTM D-4595 | 33% x 31% |
| **Maximum Elongation - Wet MD x CD** | ASTM D-4595 | 36% x 31% |
| **Flexural Rigidity - Stiffness MD x CD** | ASTM D-1388 mg-cm | 4070 x 3923 mg-cm |
| **Slope (recommended)** | Observed | < 1:1 |
| **Shear Stress (recommended)** | Flume Tests | 3.2 psf |
| **Water Velocity (recommended)** | Flume Tests | 8 ft/sec |
| **Water Absorption** | ASTM D-1117 | 163% |
| **“C” Factor** | | .002 |
| **Open Area** | Measured | 65% |

Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.

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P.O. Box 810 Johnson City, NY 13790

Phone: (607) 729-5111 (800) 659-5111 Fax: (607) 729-5158

www.iviindustries.com