Introduces a unique innovative environmental friendly product

RENOTEX

Natural Jute Board

Patent Pending

Mani Almal APL POLYFAB (P) LTD.

Kolkata

Jute is a GREEN BOARD







WHAT IS "RENOTEX"?

IT IS A UNIQUE INNOVATIVE PRODUCT FROM

100% JUTE NATURAL FIBRE INTERLOCKED

WITH FABRIC & IMPREGNATED WITH

FORMULATED NATURAL RUBBER, RESINS &

BINDERS.

WHAT IS UNIQUE & INNOVATIVE IN RENOTEX ?

- ✓ IT IS PRODUCED FROM 100% NATURAL JUTE FIBRE AND ENVIRONMENTAL FRIENDLY MATERIALS.
- ✓ NEW RANGE IS DEVELOPED FROM JUTE WASTE FIBRE THUS USING RECYCLED WASTE MATERIAL.
- ✓ JUTE IS A NATURAL CROP AND IS SURPLUS IN INDIA TO EXPLORE MORE DIVERSIFIED APPLICATION.
- ✓ SATISFY THE FEATURES REQUIRED FOR AN INSOLES & MOULDED APPLICATIONS IN JUST ONE PRODUCT.

UNIQUE FEATURES OF RENOTEX JUTE

- ✓ Good Flexing One can fold toe part in round shape or press bend to check bouncing,
- ✓ Not tearing, good tensile & stitch tear strength
- ✓ No deterioration of properties after moisture/ water absorption – faster de-absorption.
- ✓ Good adhesive bonding due to natural fiber surface,
- ✓ One side of board has jute woven fabric to give support in durability, strength and flexing,

UNIQUE FEATURES OF RENOTEX

- ✓ Insulation & acoustic properties, recommended for cold & hot climate footwear,
- √ Stroblable all ranges
- ✓ Breathable product.
- ✓ Abrasion resistance,
- √ High electrical resistance,
- ✓ Antistatic board in black for safety.

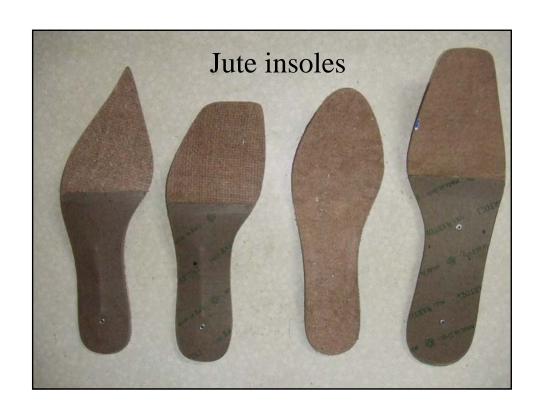
And more..

- ✓ It suits all types of footwear for insoles, designer foot beds & as shank board,
- √ It suits most production process like stuck-on, strobel, DIP, etc
- ✓ It is produced in various thickness.
- √ It can be supplied in sheet of 40"x60"
- ✓ R range is impregnated in rubbers, RENO P in resins as per customer applications. Fire retardant properties can be added.

Weakness

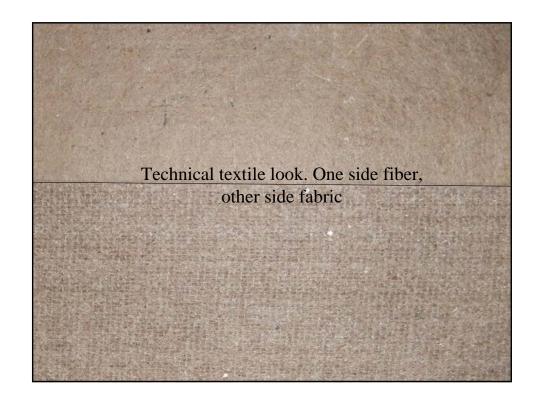
- It is produced in thickness from 1.4mm and above.
- Natural products normally varies in thickness & fiber colour. Care is taken to control as best.
- Natural products are better for human & environmental but expensive.

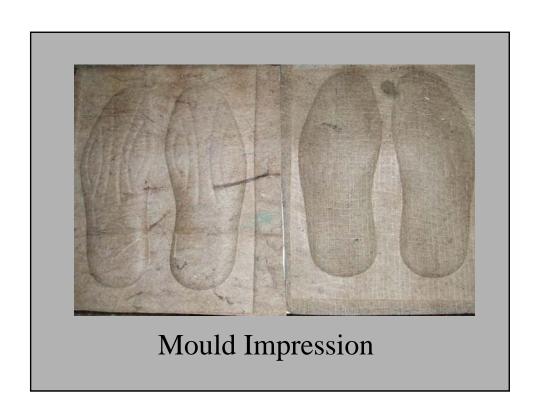




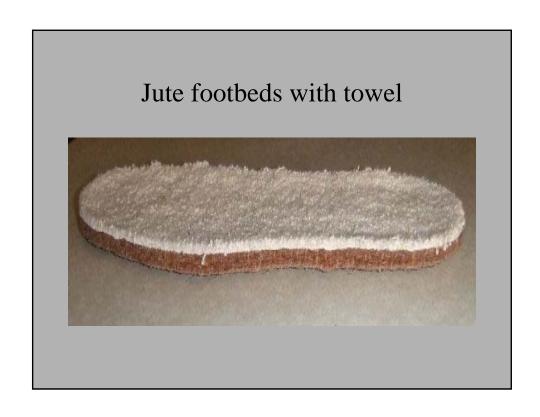


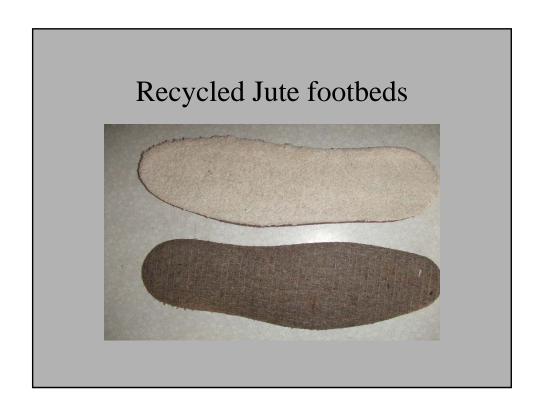




















LEGS ARE SOURROUNDED WITH PU SOLE, NON WOVEN ANTISTATIC INSOLE, SYNTHETIC STIFFNERS AND LININGS...ALL ARE PETROLEUM BASE



RENOTEX jute natural is breathable with insulation properties – strobel in safety upper..



CENTRAL LEATHER RESEARCH INSTITUT

FOOTWEAR TESTING LABORATOR SHOE DESIGN AND DEVELOPMENT CENTR ADYAR, CHENNAI - 600 020, INDI,

TEST REPORT

TEST/1799/09-10

Pg. (1) of (1) Dt: 31.12.2009

M/S. APL POLYFAB PVT LTD, 5, DR. RAJENDRA PRASAD SARANI (CLIVE ROW), KOLKATA – 700 001. Tel: 22200373, 22209574

Fax: 033 2230 5125 E-mail: polyfab@vsnl.com

With reference to your letter dated 26th December, we give below the test report for one sample of **jute insole board** submitted for **physical** testing.

Identification

RENOTEX- R JUTE BOARD, ART NO: JNR 5210 (N), BATCH NO 21-12-09, THICKNESS 2.0 mm

Conditioning : Test conducted at 20°C and 65 % RH

S.N	PROPERTY	RESULT	CLRI RECOMMENDATIONS (MINIMUM)		TEST METHOD	
			A	В	C	
1.	Wet tensile strength, N/mm ² Direction 1 Direction 2	10.0	7.0	6.0	4.0	SATRA TM 2: 1995
2.	Flexing index Direction 1 Direction 2	3.4	3.7	3.2	2.7	SATRA TM 3: 1999
3.	Water absorption, % Water desorption, %	59.2 100	Min.35 Min.40		EN 12746 : 2000 METHOD - 2	
4.	Abrasion resistance, 400 cycles	No surface tearing	No surface tearing before 400 cycles afort footwear, C: Light u		BS EN ISO 20344:2004 - 7.3	

All the tested properties of this jute insole sample are found to be good.

Yours faithfully,

F. R. Warner Technical Manager CLRI Quality Assurance Scheme

Note: 1. This test report is not meant for Publicity / Advt.

2. This test report is not meant to be produced before Customs / Govt. Officials



CENTRAL LEATHER RESEARCH INSTITUTE

TEST REPORT

TEST/1792/09-10

Pg. (1) of (1) Dt: 31.12.2009

M/S. APL POLYFAB PVT LTD. 5, DR. RAJENDRA PRASAD SARANI (GLIVE ROW), KOLKATA – 700 001, Tel: 22200373, 22209574

Fax: 033 2230 5125 E-mail: polyfab@vsnl.com

With reference to your letter dated 22nd December, we give below the test report for one sample of **jute insole board** submitted for electrical resistance test:

Identification

RENOTEX JUTE BOARD, ARTICLE NO: JNR 62105530, BATCH NO 21/12/09, THICKNESS 2.0 mm, BLACK COLOUR

Conditioning : Test conducted at 20°C and 65 % RH

CLAUSE	PROPERTY	RESULT	BS EN ISO 20345 : 2004	METHOD
6.2.2.2	Electrical resistance – Anti static Before dry conditioning Place 1 After dry conditioning Place 1 Place 2	4.4 MΩ - 5.9 MΩ 3.9 MΩ - 6.1 MΩ 305 MΩ - 653 MΩ 48 MΩ - 528 MΩ	Not less than 100 KΩ and not greater than 1000 MΩ	BS EN ISO 20344: 2004 5.10

Generally this test has to be conducted on whole shoe.

Electrical resistance property (anti static)of this jute insole board sample is found to be

Yours faithfully,

F. Ruisvaman F Technical Manager CLRI Quality Assurance Scheme

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Global warming is now Global warning

In general shoes / Slippers, Dresses, curtain, helmet, chairs and furniture etc are made from synthetic material which is cheap, light and may protect your body from outer force but adverse for climate and human life. Natural product absorb heat and cold thus help in neutralisation.

Even SAFETY shoes are also produced with PU soles, synthetic lining, insoles & stiffeners, all are from petroleum / synthetic base OR hazardous base materials. Natural or composite materials may be explored for better comfort & environmental friendly.

USE
NATURAL or
COMPOSITES TO
SAVE ENVIRONMENT
AND HUMAN LIFE
FROM
NATURAL CALAMATIES

