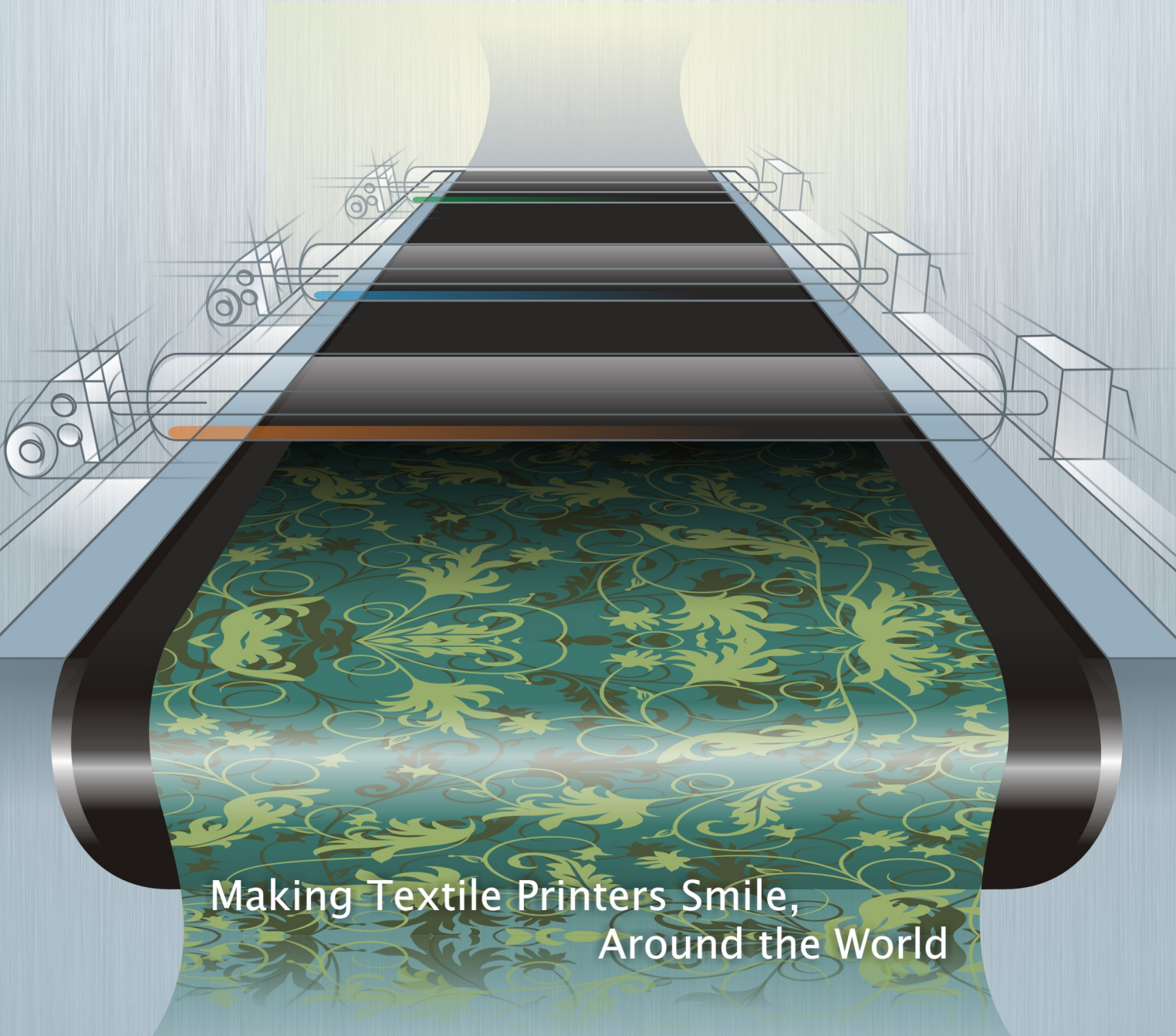


IMPRESSIONS

TEXTILE PRINTING BLANKETS



Making Textile Printers Smile,
Around the World



MAHALAXMI RUBTECH LIMITED

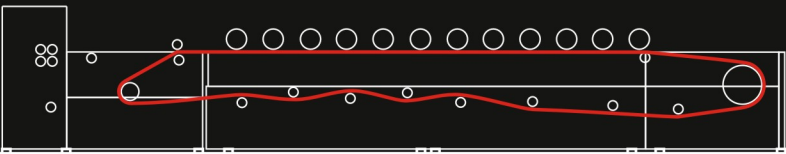
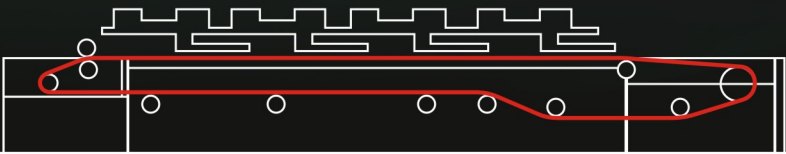
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IMPRESSIONS

technology

rolled over with experience

The product design and construction of IMPRESSIONS Textile Printing Blankets are based on thorough analyses of the diverse environments in which they have to perform. Their constitution takes into account the various factors that affect them in the long run, and they are exclusively fabricated to offer optimum performance under a wide range of working conditions, both in **Rotary** and **Flat** Printing enviros.



Blankets That Bring Out The Best In Textile Printing

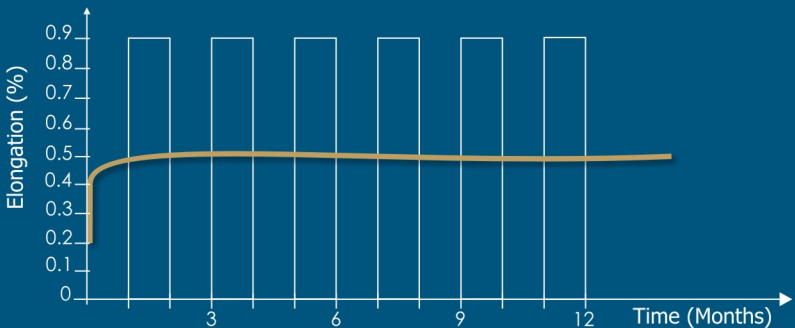
IMPRESSIONS Textile Printing Blankets come with a range of special product advantages. These features have been integrated into MRT's manufacturing process after years of observation of the field realities of the consumer (the printer), and continual R&D.

elongation resistance

limiting the stretch...

Thanks to the specially created, pre-stretched Cellulose Reinforcement, IMPRESSIONS Blankets exhibit excellent elongation control over long periods of operation, and high resistance to shocks and cuts.

Benefit: Minimum edge-cutting, printing fault correction time and fabric wastage.

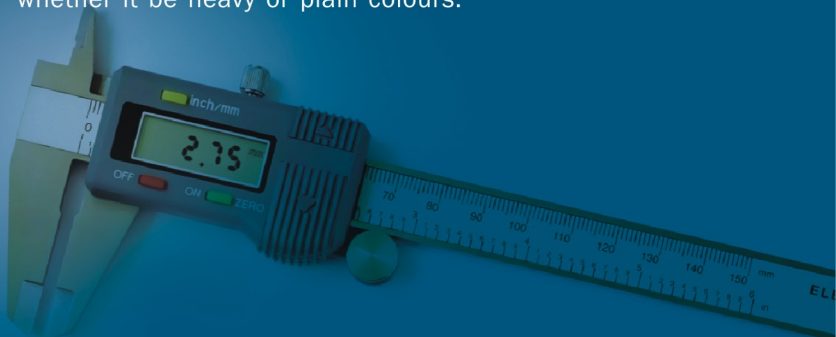


thickness

uniformly calipered all across...

IMPRESSIONS Blankets come with a Calipered Thickness of $\pm 0.05\text{mm}$. This micro-gaugeable thickness applies uniformly across the length and breadth of the Blankets.

Benefit: Fine, uniform printing registration and consistent colour absorption on the entire surface of the Blanket, whether it be heavy or plain colours.

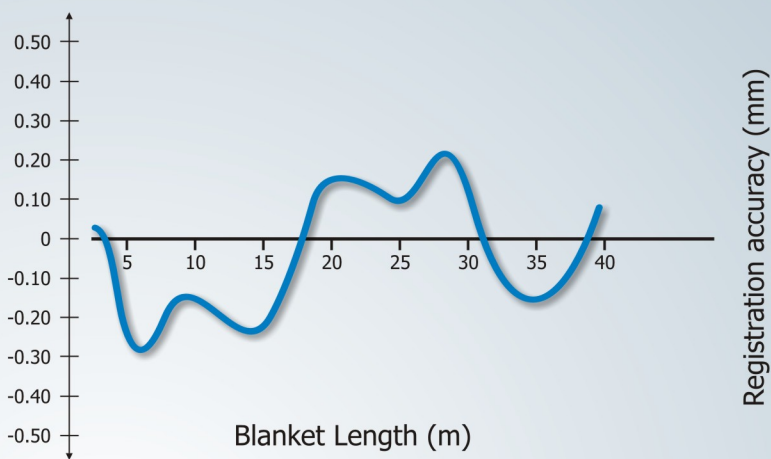


stability

dimensional consistency under stress...

IMPRESSIONS Blankets have a unique Multi-layered Structure, lending them very high Dimensional Stability. As many as seven intermittent layers of Cellulose and Elastomeric Formulations developed through painstaking R&D, dissipate the tensile forces on the Blanket uniformly, giving the Blankets high Dimensional Stability under stress, and a finely balanced flexi-stiff character. The optimally bonded Elastomeric layers allow the Blanket to release the linear tension gradually, keeping it stable.

Benefit: High flex crack resistance and minimum time cost on corrective measures (fault correction, installation and tracking, etc).



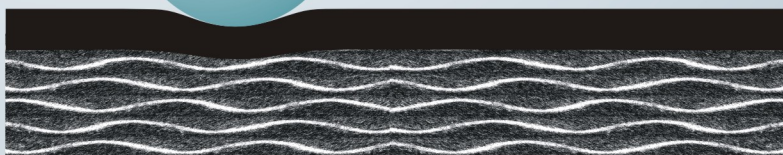
compressibility

with optimum resilience...

The Elastomer-enhanced Compressible Structure of IMPRESSIONS Blankets prevents the 'folding effect' before/after squeezes. The alternating layers of hyper-resilient Elastomers and Cellulose reinforcement give the Blankets permanent compressibility.



Benefit: Optimum Printing Sharpness across different widths. Extraordinary precision with minimum maintenance and undiminished printing quality on even very high output.



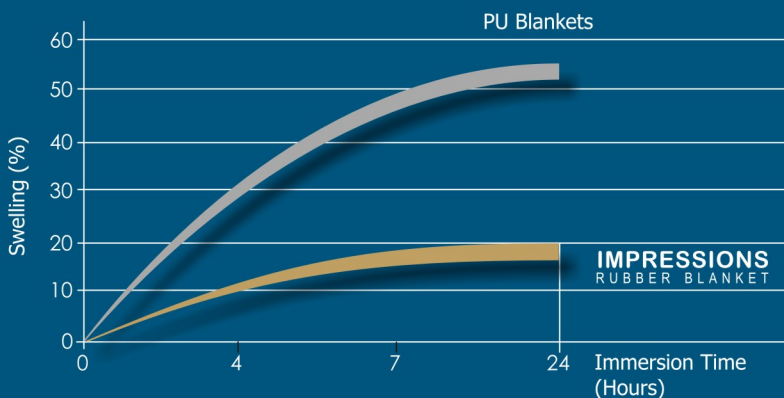


on the surface

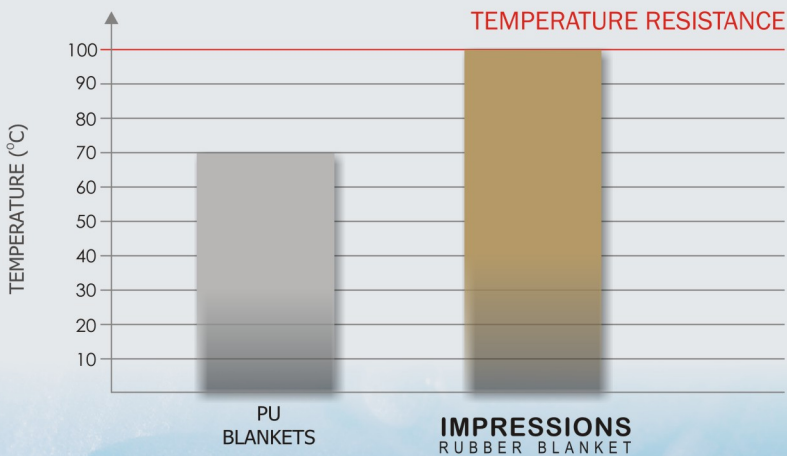
taking the solvents, adhesives & the heat...

IMPRESSIONS Blankets have a smooth, glossy Printing Surface made of specially formulated Synthetic Rubber, which exhibits remarkable resistance to Aliphatic and Aromatic Solvents like Hydrocarbons, Alcohols, Ethers, Ketones, Acetone, Chlorinated Solvents and Esters. This special Rubber also displays high resistance to dyes, pigments, chemicals, temperatures (up to 100 degree Celsius) and abrasion. The Blanket surface also exhibits high affinity to water-based, thermoplastic and permanent adhesives.

Benefit: Maximum surface durability, minimum smearing and easy cleaning.



SWELLING RESISTANCE IN ACETONE



down under as you like it...

Clients can order IMPRESSIONS Blankets with customised/optional features. For instance, Underside Water proofing with intricately formulated polymers.

Benefit: Efficient prevention of blockages and waste assimilation under the Blanket, Screen Supports and Drive Cylinders, ensuring high durability.

Plus, high resistance to underside abrasion, improved coefficient of friction and protection against solvents, dyes, chemicals and water.

the dimensions the length & width of it...

IMPRESSIONS Printing Blankets are manufactured endlessly. They are available to you in lengths up to 120 meters (394 feet), and widths up to 3,100 mm. Special dimensions can be custom-ordered.

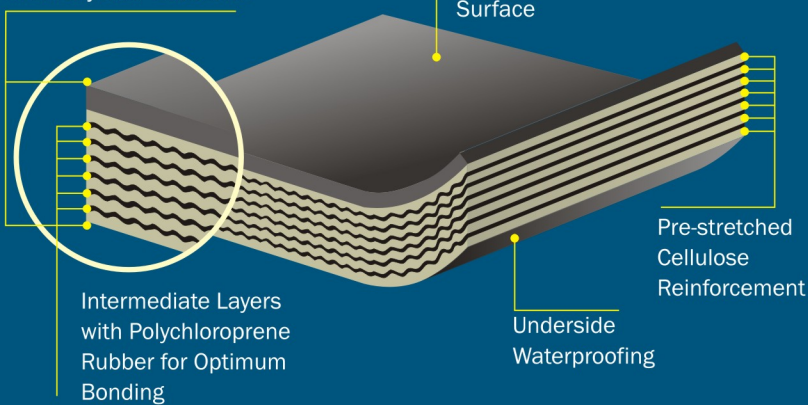
the joint the smooth functioning...

IMPRESSIONS Blankets incorporate a special ability to smoothly adapt the joined areas into the composite structure of the whole Blanket. When joined together, the spliced areas blend perfectly, exhibiting the same strength & flexibility as any other part of the Blanket.

the chemistry

to match all printing situations...

Uniform Calipered
Thickness (± 0.05 mm)
Multi-Layered Structure



value for money

unmatched cost effectiveness...

Economically priced IMPRESSIONS Textile Printing Blankets offer consumers incomparable cost-effectiveness.

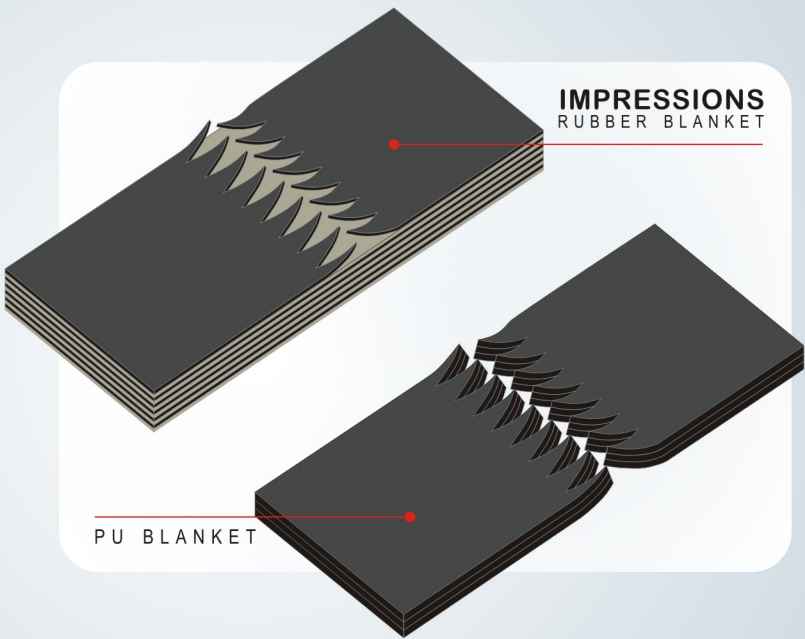
Reasons: Minimum maintenance, repair and machine downtime, resulting in Longer Blanket Life.

PLUS, negligible fabric wastage, and superior quality printing. In terms of technology, IMPRESSIONS Blankets are among the best choices in the world. And in terms of cost-effectiveness, they are your best choices.

rubber vs polyurethane

establishing a clear edge...

IMPRESSIONS Rubber Textile Printing Blankets score over PU Blankets on all vital criteria, including: structural integrity, surface durability, excellent resistance to solvents, high temperature & various chemicals, smoothness & strength of joint, and stability in operation. **PLUS**, they are more easily repairable, compared to PU Blankets.



the joint

focus area of a continuous belt...

The multi-layered construction of IMPRESSIONS Rubber Blankets enables smooth, strong, even jointing. Only the top layer is joined, and the six other layers underneath remain endless, imparting superior durability against all kinds of force & pressure. The joint is as good as any other part, making the blanket a truly composite product.

On the contrary, in the case of PU Blankets, all the layers of the blanket are spliced for jointing. The blanket is joined on the machine - where only PU part is joined, while the spliced fabric remains spliced. This process seems EASIER, but it has the inherent risk of the joint giving away over a period of time, because the strength of the joint is only as good as the strength of the PU (since there is no effective reinforcement).

To access an in-depth, point-by-point Rubber-PU comparison study (drawn from years of firsthand observation of the textile printer's field realities), you may please contact MRT's administrative office.



quality
pedigree

World Class on all Counts

Following is an overview of the special features of IMPRESSIONS Blankets, and MRT's services:

World class quality, underscored by an ISO 9001:2000 Certification covering all major criteria -Design, Development, Production & Administration.

More than 150 man-hours of R&D estimated to be invested in every Blanket.

Thousands of Blankets installed in India & other countries, since MRT's inception in 1991. Repeat orders received from majority of the clients, over the years.

Technology comparable with the world's best, plus incomparable value for money.

Ready stock of standard Printing Blankets, deliverable worldwide within minimum lead time. Installation Services offered on requisition.

Evolved expertise in producing & delivering Printing Blankets with non-standard parameters.

Ability to incorporate optional characteristics such as Underside Waterproofing, and other customized requirements.

A whole technology tradition of making Classic Rubber Blankets, adding value to every aspect of the product.

Techno-consultancy offered to existing & potential customers(elective).



Choose IMPRESSIONS Blankets to achieve higher quality in Textile Printing. And make long-lasting impressions in the market psyche of your clientele.



OUR GLOBAL REACH

MRT's products have carved out qualitative and quantitative niche in every market it has entered, and the company complements its product quality with its extreme focus on customer care and responsiveness. In fact, MRT's corporate culture dictates that the list of existing clients is always more important than the list of potential new clients.

MRT can be found in the following countries...

- | | | |
|--------------|-------------|----------------|
| • Argentina | • India | • South Africa |
| • Austria | • Indonesia | • Sri Lanka |
| • Bangladesh | • Iran | • Taiwan |
| • Brazil | • Kenya | • Tanzania |
| • China | • Malawi | • Thailand |
| • Colombia | • Nepal | • Turkey |
| • Egypt | • Nigeria | |
| • Greece | • Pakistan | |
| • Guatemala | • Singapore | |

Superlative Technology Facets

TECHNICAL SPECIFICATIONS

Length Maximum (Meters)		120
Width Maximum (mm)		3200
Thickness (mm)		2.7 - 3.3 ± 0.05 mm
Number of Layers		6 - 8
Weight (Gms./ Sq. M.)		3600 - 3900
Type of Re-inforcement		Cotton (<i>pre-stretched</i>)
Length Tolerances (mm)		-0 / +50
Type of Top Coating		<i>Specially Formulated Synthetic Rubber</i>
Type of Intermediate Coating		<i>Polychloroprene Synthetic Rubber</i>
Type of Underside Coating		<i>Waterproofed with Specially Formulated Synthetic Rubber</i>
Peel Strength (Kgs.)		≥ 10
Fitting Tension (%)		0.40 - 0.50
Elongation under Constant load of 5 N / mm (%)		0.50
Registration Accuracy (mm)		± 0.50
Operating Temperature Resistance on Top Surface ($^{\circ}$ C)		≤ 100
Abrasion Resistance On Top Surface (%)		0.26
Co-efficient of Friction with respect to S.S.		0.30
Resistance to Solvents		<i>Resistant to Aliphatic and Aromatic Solvents (Hydrocarbons, Alcohol, Ethers, Ketones, Acetone, Chlorinated Solvents & Esters)</i>



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The specifications and information mentioned herewith are for information purposes and in no way contractually binding. Mahalaxmi Rubtech Limited reserves the right to change and/or modify them without prior intimation.

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