

BELTS AND SHEETS FOR **WALK OFF MATS**

RELEASE SOLUTIONS
FOR **BLADER PRESS**

Partnerships that inspire.
Materials that perform.

The image features a large roll of black material on the right side, partially unrolled to show a textured surface. In the bottom left corner, a blue mat with a circular, scale-like pattern is shown. The background is a light wood-grain floor.

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RELEASE SOLUTIONS FOR BLADDER PRESS

Their uses are as varied as their locations. Around the world, walk-off mats suppress dust and dirt in homes, offices and public buildings, combat fatigue on the factory floor and aid hygiene in preparing safe, clean food.

Remaining competitive in a growing market involves manufacturing in high volume within a highly streamlined production process. An effective release solution is required to ensure negligible downtime and flexibility in handling different materials, consistently delivering a high-quality product that is clean release and contaminant free.

Widely used in the manufacturing of nitrile rubber heavy-duty flooring, Versiv non-stick products are designed to aid production by offering excellent release. Available as belts or sheets, these PTFE-coated composites deliver consistent performance in high-temperature ranges and extreme pressures over thousands of cycles – every time.

Heavy-duty rubber walk-off mat manufacturing is a highly challenging production environment, which requires high temperature and pressure. The process conditions must be carefully set and monitored if the delivery of a high-quality product is to be achieved.

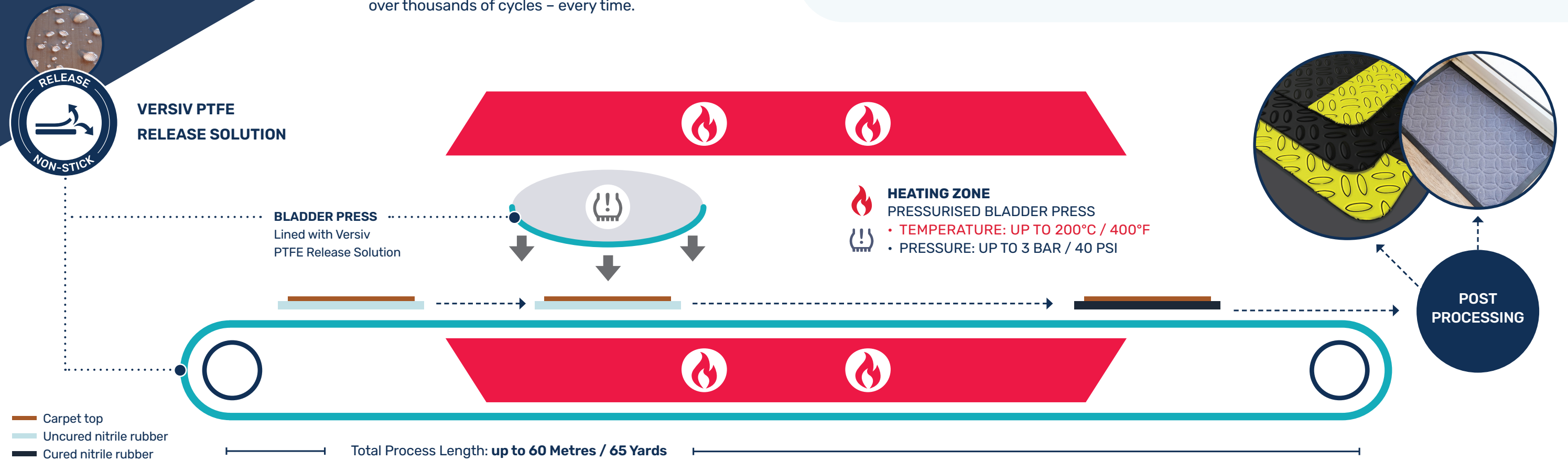
Used as a release solution, Versiv process belts convey the carpet and shaped uncured nitrile rubber to a pressurised heating zone. Excellent heat transfer and mechanical stability aid the vulcanisation of the rubber in temperatures up to 200°C / 400°F. This allows the product to be formed in a bladder press to its final shape and the required design.

Flexible and non-stick, Versiv PTFE coated fabrics act as an ideal press liner – allowing even pressure distribution during moulding while remaining dimensionally stable. Our non-stick PTFE coating guarantees that no carpet yarn or fibre residue remains on the belt, which aids the delivery of

a consistent and high-quality product over thousands of cycles. The easy and quick release minimizes the need to clean the press and the belt after the curing cycle.

Unlike the use of release agents or silicone sprays that require repeated and precise application to perform optimally, our solutions are easy to install, operate and maintain and are ready from the get-go. Their properties save you production time and operating expenses and help you plan production cycles with precision.

Versiv non-stick release sheets and belts can be configured for every type of machine, with features such as guideable edges, different types of joints and higher strength and textured options. Our perforated belting allows manufacturers to leave a unique weave mark-off on the bottom and perimeter of the mats, which can be used as part of company branding.



FEATURES AND BENEFITS

- Excellent heat transfer
- Excellent non-stick PTFE surface
- Dimensionally stable under heavy loads
- Flexible
- Resistant to nitrile rubber
- Resistant to temperatures up to 200°C / 400°F

- Stable at high pressure up to 3 bar
- Customised "Weave mark-off"
- Simple installation
- Easy to operate and maintain
- Configurable for any machine

OUTCOMES

- Optimal Release
- Higher quality finishes
- Consistent production processes
- Improved productivity
- Improved cost effectiveness
- Less material waste

- Defect-free product
- No cross contamination
- No risk of creasing
- Aids curing
- Protects bladder press
- Less downtime

CUSTOMER INSIGHTS

We listen to our customers and work in partnership with them. Customer feedback has indicated the number one advantage of Versiv Release Solutions is the consistency of performance over long periods of time.

Versiv Release Solutions are fluoropolymer-based composites reinforced with a woven fabric, usually glass or aramid. The extra smooth and highly consolidated fluoropolymer surface means that hot oils, molten polymers, or chemicals cannot attach or anchor to the surface. This property leads to longer-lasting release performance.

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Versiv is a recognised expert in high-performance, technology-driven, fluoropolymer-based materials and customised solutions. With over 40 years' experience, our films, fabrics, tapes and multimaterial composites are highly regarded in various B2B industries, with renowned companies among our clients.

Our specialty offering meets the diverse needs of customers seeking high-performance materials, that take on demanding tasks, in providing everything from safe and protective barriers, easy-release surfaces, dielectric insulation and friction control.

We adapt to make even more possible. Our collaborative, co-partnership approach inspires the success of our customers and the evolution of our capabilities, enabling us to deliver top-notch, off-the-shelf products and co-developed solutions.

CONTACT US

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WHAT CAN BE MADE USING VERSIV PRODUCTS?

- Entrance mats
- Entrance mats with carpet top
- Anti-fatigue mats with backing
- Cleated back mats
- Car mats

Also used in manufacturing of:

- Crumb rubber mats
- Luxury vinyl tile
- Padded/cushion backed flooring



**VERSIV PRODUCTS
OF CHOICE:**

CF4430 & CF7330

Standard heavy belting for basic requirements

CF7330 AS

Heavy belting product for processes with anti-static requirements

CF4430 X & CF3460

Premium belting products for superior release and extended durability

