

BELTS AND SHEETS FOR PADDED & CUSHION BACKED FLOORING

RELEASE SOLUTIONS
FOR **CURING**



Partnerships that inspire.
Materials that perform.

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RELEASE SOLUTIONS FOR CURING

From underlay and carpet backing to anti-fatigue and therapeutic matting, cushioned flooring can be seen across the world in homes, offices, workplaces and public buildings, even on the sports field as artificial turf backing.

Global demand for cushioned flooring has never been higher thanks to its versatility and adaptability of use. Manufactured in high volume, the process of working with PVC and PU at extreme temperatures is very aggressive.

Production time can be lost due to the product sticking to the conveyor belt during curing. Versiv PTFE-coated belts are used as processing aids, developed to withstand the harsh production environment. The non-stick surface consistently delivers perfect release and helps minimise the risk of downtime.

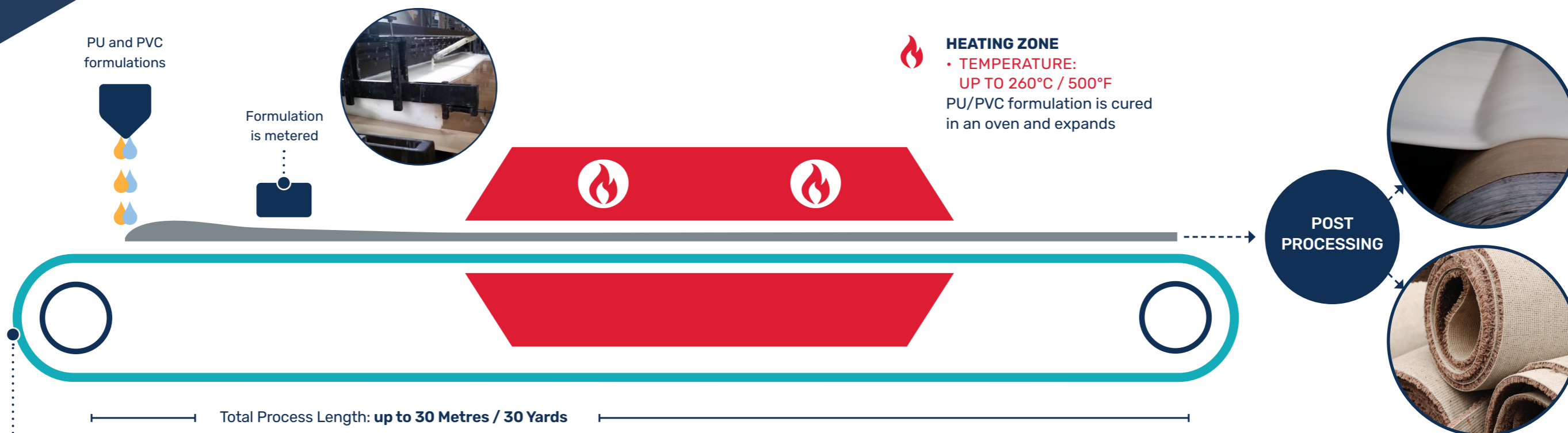
The manufacturing process of padded/cushion-backed flooring is challenging. Producers need a durable conveyor belt that not only withstands the rigours but delivers defect-free flooring on release. Padded flooring involves curing PVC/PU liquid formulations at incredibly high oven temperatures before the cured product is stripped from the conveyor and rolled for post-processing.

Versiv PTFE-coated belts are non-stick and chemically resistant composites aiding the transport of the formulation as it is metered and processed into the ovens for curing in temperatures up to 260°C / 500°F. Preparation for post-processing, where the final product is stripped from the production belt, can also be a challenge, with sticking not only ruining the product itself but also contaminating the conveyor.

Non-stick and superior release Versiv processing aids are able to deliver hundreds of thousands of metres of product before replacement. Their great mechanical strength makes them ideally suited for the production of industrial flooring on large conveyors, while excellent heat transfer properties aid curing in these demanding and aggressive conditions.

Manufacturers choosing our products see consistent productivity, less downtime and improved productivity due to unplanned stoppages. Unlike manually-applied non-stick belt coatings, our release solutions are easy to install and remove by your operators or maintenance staff.

Versiv release solutions come as rolls of fabric, continuous belts or as cut-to-size sheets. They are available in a range of options suitable for the manufacture of underlay, carpet backs, mat backs, bar mats, therapeutic pads and commercial and industrial anti-fatigue matting, as well as artificial turf.



VERSIV PTFE RELEASE SOLUTION

- PU formulation
- PVC formulation
- PU and PVC formulations combined

FEATURES AND BENEFITS

- Excellent non-stick PTFE surface
- Resistant to aggressive chemicals
- Resistant to temperatures up to 260°C / 500°F
- Hydrophobic surface
- Excellent heat transfer
- Low friction
- Simple installation
- Easy to operate and maintain
- Mechanically durable
- Roll to roll processing
- Available in rolls or sheets

OUTCOMES

- Optimal Release
- Higher quality finishes
- Consistent Production processes
- Improved Productivity
- Improved Cost effectiveness
- Less material waste
- Defect-free product
- No cross contamination

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

