

# BELTS AND SHEETS FOR BELTS AND SHEETS FOR LUXURY VINYL TILE (LVT)

RELEASE SOLUTIONS FOR **DOUBLE  
BELT PRESS LAMINATION**

Partnerships that inspire.  
Materials that perform.



versiv



# RELEASE SOLUTIONS FOR DOUBLE BELT PRESS LAMINATION

Luxury Vinyl Tiles are an increasingly popular, cost-effective solution for commercial and residential buildings. The range of LVT finishes – which resemble wood, tile and slate – means manufacturers must be adept at meeting the growing demand for various customer tastes.

Versiv release solutions enable roll-to-roll processing of LVT manufacturing due to its ability to withstand high pressure and elevated temperatures of the PVC melt process.

Mechanically durable, with consistent “easy release” properties, the Versiv process conveyor belts provide longevity, high production efficiency, and a reduction in manufacturing downtime. Chemically inert and developed to withstand the rigors of the intense LVT bonding process, they can be configured for every type of machine. They have many features, including a low-profile seam that does not increase thickness and enables no “mark-off” or imprint at the joint.

## ENSURING CONSISTENT PRODUCTION

In the high-volume production of LVT tiles, manufacturers must know that they can rely on their equipment to deliver high-quality end products.

For efficient roll-to-roll processing, the risk of unplanned maintenance needs to be minimized. Using Versiv solutions eliminates the need for silicone sprays and release agents, which are costly and time-consuming.

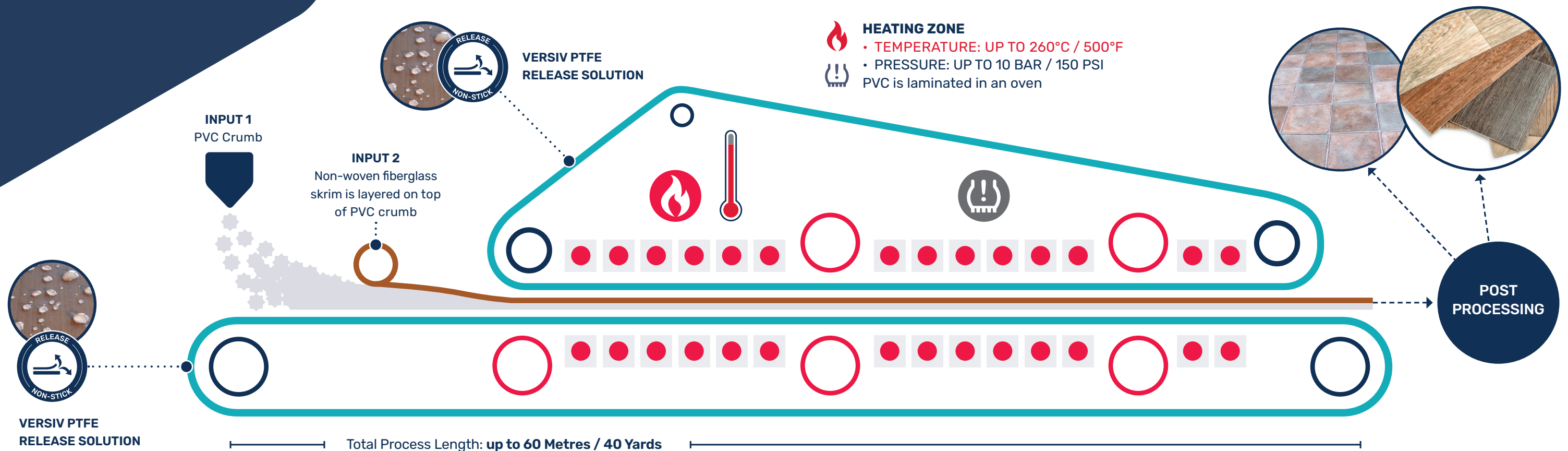
Versiv belts provide continuous release performance in this harsh and aggressive manufacturing process. Long-lasting and consistent, it allows the plant to plan and manage its resources and staffing levels more effectively. Easy to install and remove, these PTFE-coated fabrics have excellent temperature and abrasion resistance that can be further enhanced to adapt to your processing requirements.

## HIGHER QUALITY FINISHES

LVT’s versatility lies in its ability to be made in a range of beautiful finishes to suit industry, office and home. This quality requires smooth and defect-free surface finishes.

The low-profile seam options mean no mark-off at the belt-joining joint, leaving your product free from unwanted marks and blemishes upon release. The belts can be configured to suit your requirements and are available with 2 ply options, such as an anti-static machine-facing ply and/or textured surface to assist in off-gassing during lamination.

The non-stick surface of Versiv belts ensures higher quality finishes of your product every time, thanks to a clean release and, therefore, a lower chance of contamination from past cycles.



## IMPROVING PRODUCTIVITY

Manufacturing LVT is a highly technical process involving high temperatures and extreme pressure over a short duration. It’s vital that the process is efficient and reliable. By performing consistently cycle after cycle, Versiv belts improve productivity without sacrificing quality. The excellent heat transfer of the belts aids the lamination of the melt-processable PVC crumb and glass scrim.

The superior clean release of Versiv PTFE coating ensures no residue is left behind after a cycle, meaning no downtime for cleaning before the next cycle begins – allowing for faster processing. Easy to install and use, our solutions offer consistent performance over extended periods of time.

## OPTIMAL RELEASE

Reliable, clean and consistent release during the manufacture of LVT is essential to ensure high-quality products for the market. Using Versiv PTFE-coated products as top and bottom belts offer superior release, even after the high temperature (up to 260°C / 500°F) and pressure (up to 10 Bar / 150 PSI) conditions associated with the lamination process.

Specially engineered release surfaces in Versiv processing aids enable the PVC to undergo a continuous melting and solidifying process alongside the reinforcement fabric. This design mitigates the risk of newly formed material sticking to the belt. The final product releases efficiently and entirely after curing, which minimises the risk of unplanned downtime for cleaning the residues from previous batches.

## 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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**Partnerships that inspire.  
Materials that perform.**

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?

Wide range of LVT with numerous finishes that can resemble many types of wood, tile, slate, etc.

### Also used in manufacturing of:

- Crumb rubber mats
- Padded/cushion backed flooring
- Walk-off mats



**VERSIV PRODUCTS  
OF CHOICE:**

### Single Ply & 2 Ply Belting Options

Custom configurations for zero mark-off applications

