

BELTS AND SHEETS FOR LUXURY VINYL TILE (LVT)

RELEASE SOLUTIONS FOR DOUBLE BELT PRESS LAMINATION

In today's flooring market, Luxury Vinyl Tiles are an increasingly popular cost effective solution for commercial and residential buildings. The broad range of LVT finishes, which can resemble wood, tile and slate means manufacturers, must be adept at meeting growing demand for a wide variety of customer tastes.

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

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

WITH OUR PRODUCTS YOU CAN ACHIEVE:

1 HIGHER QUALITY FINISHES

2 CONSISTENT PRODUCTION PROCESSES

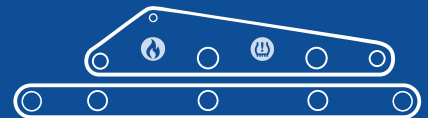
3 IMPROVED PRODUCTIVITY AND COST EFFECTIVENESS



FLOORING

CHEMFAB® RELEASE SOLUTIONS FOR...

- Walk-off Mats
- Crumb Rubber Mats
- Padded/Cushion Backed Flooring
- **Luxury Vinyl Tile**
- Carpet Yarns Heat Setting



IMPROVING PRODUCTIVITY

Manufacturing LVT is a highly technical process involving high temperatures and extreme pressure over a short space of time. It's vital that the process is efficient and reliable. By performing consistently cycle after cycle, CHEMFAB® belts improve productivity without sacrificing quality.

The excellent heat transfer of the belts aids the lamination of the melt-processable PVC crumb and glass skim.

The superior clean release of CHEMFAB® PTFE coating ensures that 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.

HIGHER QUALITY FINISHES

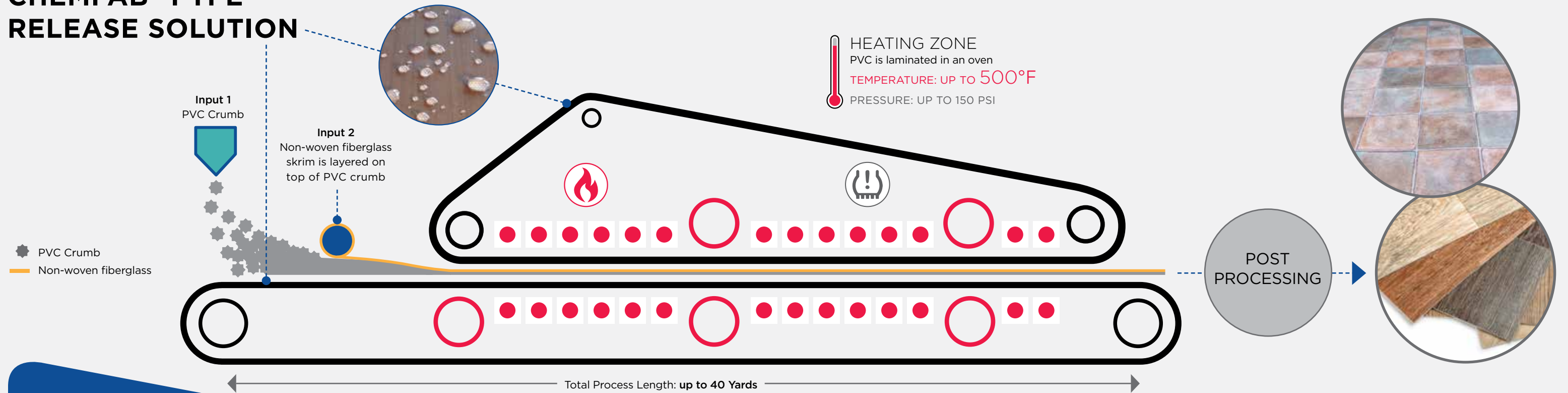
LVT's versatility is its ability to be made in a range of beautiful finishes to suit industry, office and home. This requires smooth and defect-free surface finishes.

The low-profile and no seam options mean that there is no mark-off at the belting 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 CHEMFAB® 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.

CHEMFAB® PTFE RELEASE SOLUTION



OPTIMAL RELEASE

Reliable, clean and consistent release during the manufacture of LVT is essential to ensure high-quality products for market.

Using CHEMFAB® PTFE-coated products as top and bottom belts offer superior release, even after the high temperature (up to 500°F) and pressure (up to 150 PSI) conditions associated with the lamination process.

Specially modified release surfaces of CHEMFAB® processing aids allows for the PVC to melt and solidify with the reinforcement fabric in a continuous process while also avoiding the risk of new formed material sticking to the belt.

The final product releases perfectly, easily and completely after curing which minimizes the risk of unplanned downtime for cleaning the residues from previous batches.

ENSURING CONSISTENT PRODUCTION

In high-volume production of LVT tiles, manufacturers must know that they can rely on their equipment to deliver high-quality end product. For efficient roll-to-roll processing, the risk of unplanned maintenance needs to be minimized.

Using CHEMFAB® solutions eliminates the need for silicone sprays and release agents, which is costly and time consuming.

CHEMFAB® belts provide continuous release performance in this harsh and aggressive manufacturing process. Long-lasting and consistent, they allow for 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 individual processing requirements.

WHAT CAN BE MADE USING CHEMFAB® PRODUCTS?

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



...ALSO USED IN MANUFACTURING:

- Walk-off mats
- Crumb rubber mats
- Padded/cushion backed flooring
- Carpet yarns
- Heat setting

CHEMFAB® PRODUCTS OF CHOICE

2 PLY belting

Custom configurations for zero mark-off applications

CUSTOMER INSIGHTS

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

CHEMFAB® 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 into the surface. This leads to longer lasting release performance.

RS/LVT/US/EN/V1

EUROPE

Saint-Gobain Performance Plastics,
Ireland
Tel: +353 65 90 80 170

NORTH AMERICA

Saint-Gobain Performance Plastics,
USA
Tel: +1 603 424 9000

SOUTH AMERICA

Saint-Gobain Performance Plastics,
Brazil
Tel: +55 19 2127 8532

ASIA

Saint-Gobain Performance Plastics,
China
Tel: +86 21 5472 1568