

# BELTS AND SHEETS FOR WALK-OFF MATS

## RELEASE SOLUTIONS FOR BLADDER PRESSES

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

Manufacturing in high volume and in a highly streamlined production process is a way to remain competitive in this growing market. Consistent production, negligible downtime and flexibility in handling different materials requires an effective release solution that consistently delivers a high quality product with clean release and contaminant free.

Widely used in the manufacturing of nitrile rubber heavy duty flooring, CHEMFAB® 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.

### WITH OUR PRODUCTS YOU CAN ACHIEVE:

**1** HIGHER QUALITY FINISHES

**2** CONSISTENT PRODUCTION PROCESSES

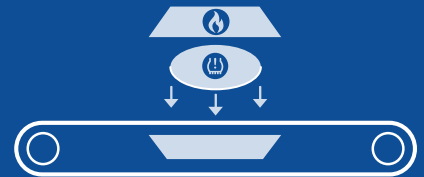
**3** IMPROVED PRODUCTIVITY AND COST EFFECTIVENESS



## FLOORING

### CHEMFAB® RELEASE SOLUTIONS FOR...

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



- ✓ 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

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

## FEATURES



## 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

Manufacturing of heavy duty rubber walk-off mats is a highly challenging production environment that requires both 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, CHEMFAB® process belts convey the carpet and shaped uncured nitrile rubber to a pressurized heating zone. Excellent heat transfer and mechanical stability aid the vulcanization of the rubber in temperatures up to 200°C. This allows for the product to be formed in a bladder press to its final shape and the required design. Flexible and non-stick, CHEMFAB® 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 is left on the belt, which aids delivery of a consistent and high quality product over thousands of cycles. The easy and

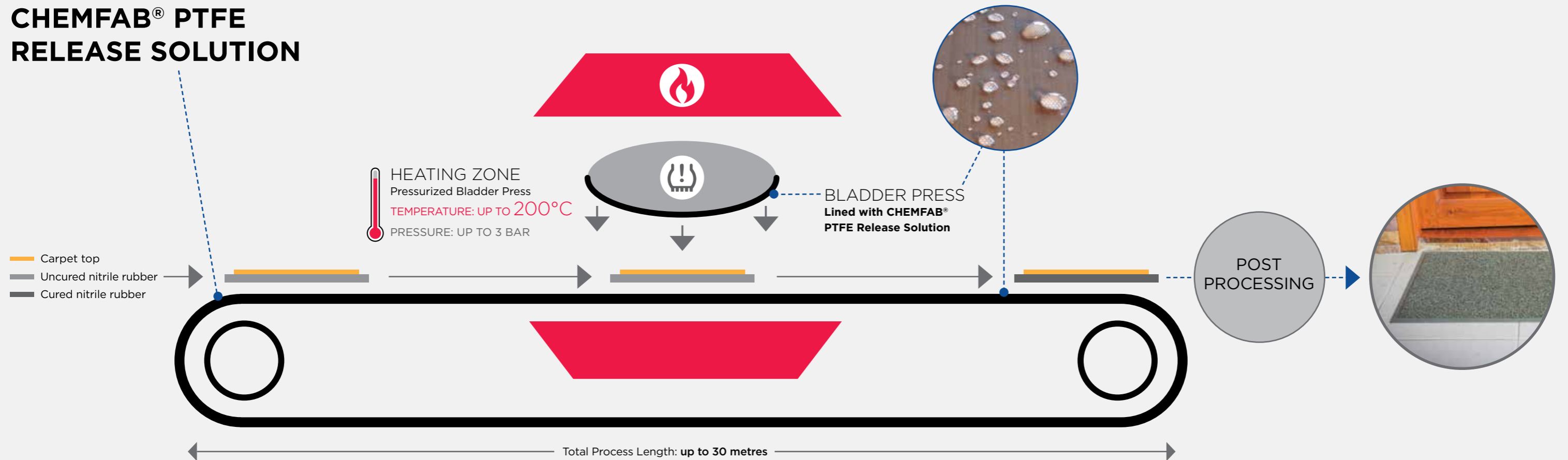
quick release minimizes the need for cleaning both the press and the belt after the curing cycle.

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. This saves you production time, operating expenses and helps you plan production cycles with precision.

CHEMFAB® non-stick release sheets and belts can be configured for every type of machine, with features such as guidable edges, different types of joints and higher strength and textured options.

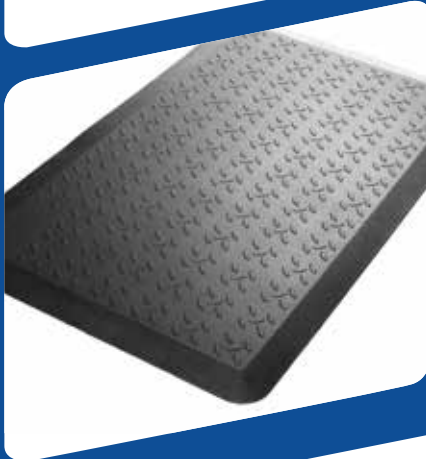
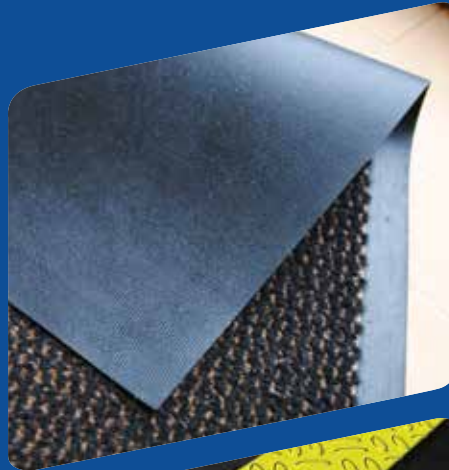
Our perforated belting gives manufacturers the option of leaving a unique weave mark-off on the bottom and perimeter of the mats, which can be used as part of company branding.

## CHEMFAB® PTFE RELEASE SOLUTION



## WHAT CAN BE MADE USING CHEMFAB® PRODUCTS?

- Entrance mats
- Entrance mats with carpet top
- Antifatigue mats with backing
- Cleated back mats
- Car mats
- ALSO USED IN....



## ...PRODUCTION OF:

- Crumb rubber mats
- Padded/cushion backed flooring
- Luxury vinyl tile
- Carpet yarns
- Heat setting

## CHEMFAB® 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

## 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. 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/WOM/EU/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