



BELTS AND SHEETS FOR CRUMB RUBBER MATS

RELEASE SOLUTIONS FOR COMPRESSION MOULDING

From playgrounds to sports fields, to outside the home or workplace, crumb rubber from recycled tyres is being used in new and innovative ways.

Weather-proof and durable, crumb rubber mats are an increasingly popular choice as exterior high wear mats. High manufacturing volumes, in turn, require continuous manufacturing processes and flexibility in handling chemical additives with a mix of rubber and TPU.

Used as processing aids, CHEMFAB® non-stick products are designed to withstand the high temperatures and pressures associated with press forming processes, while conveying the product and protecting the machinery.

Clean release means uninterrupted and consistent production with zero unplanned downtime – and your product, with or without the carpet top, delivered flawlessly, and to schedule

WITH OUR PRODUCTS YOU CAN ACHIEVE:

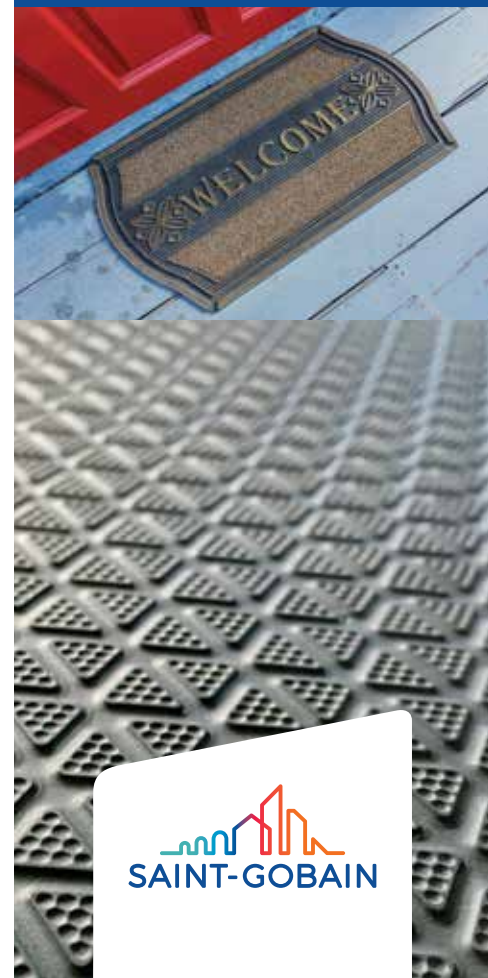
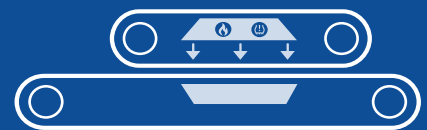
1 HIGHER QUALITY FINISHES

2 CONSISTENT PRODUCTION PROCESSES

3 IMPROVED PRODUCTIVITY AND COST EFFECTIVENESS

CHEMFAB® RELEASE SOLUTIONS FOR...

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



- ✓ Flexible and thermally weldable
- ✓ Non-stick surface
- ✓ Mechanically stable under pressure
- ✓ Thermally stable up to 500°F/260°C
- ✓ Resistant to molten thermoplastics

- ✓ Controlled textured options
- ✓ Excellent heat transfer
- ✓ Design options for all types of machines
- ✓ Guidable edges

FEATURES



OUTCOMES

- ✓ Optimal release
- ✓ Higher quality finishes
- ✓ Consistent Production processes
- ✓ Improved productivity
- ✓ Improved cost effectiveness
- ✓ Less material waste
- ✓ Defect-free product
- ✓ No cross contamination

Manufacturing crumb rubber matting is a challenging process that starts with the metering of a recycled crumb rubber and thermoplastic polyurethane mix.

Used to convey the mixture through the oven, CHEMFAB® belts act as a release surface for all the processing stages and well as the transportation of this heavy load. The non-stick and smooth surface guarantees that neither raw crumb rubber, TPU nor the molten metered mix can attach to it.

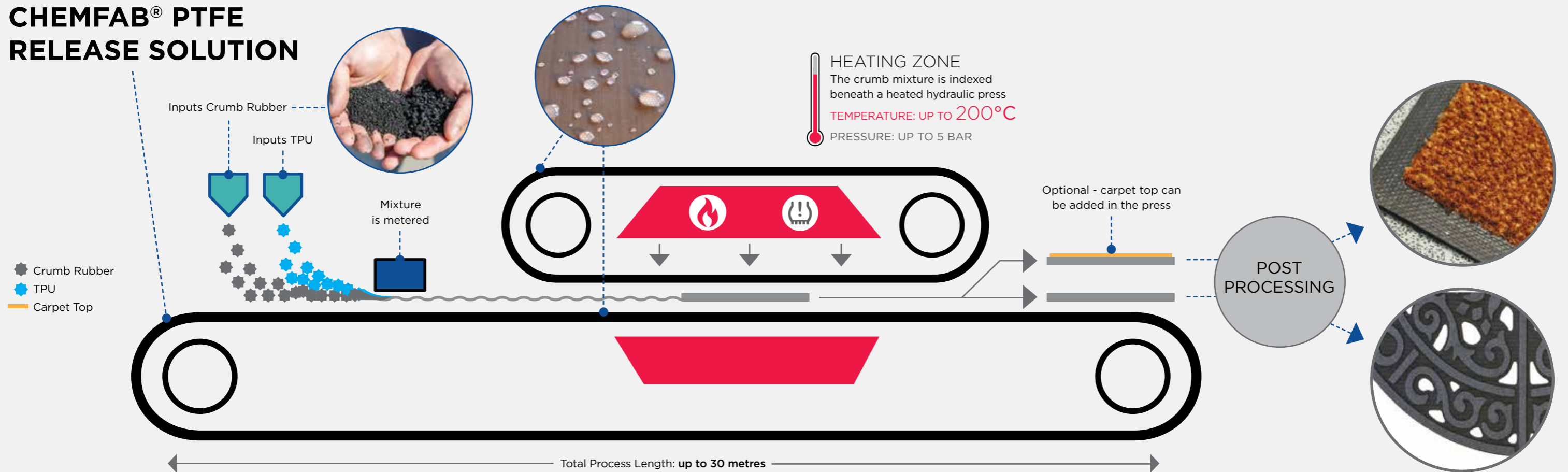
As the metered mixture is conveyed into the heated hydraulic press it will be subjected to temperatures of up to 200°C as it is indexed under pressure. Thanks to their heat transfer properties and mechanical stability, our PTFE-coated belts and press liners aid the application of even pressure and temperature, while their strength and dimensional stability prevents ridging, puckering and creasing. This results in production of a consistently excellent mat.

Clean release continues at the end of the cycle, too, when the mats are released and ready for post-processing. No sticking means no defects and less material waste ensuring consistent production and increased productivity as a result.

Our CHEMFAB® PTFE release solutions are designed to last for several thousand cycles. Belts are not only durable but have superior low-friction qualities reducing wear-and-tear on machinery to improve lifespan while also reducing energy operating costs.

Installation is easy, quick and has significant advantages over other alternatives. There is no requirement for time-consuming surface preparation or application of manual spray coating and customers who use CHEMFAB® belts report consistent production with fewer unplanned stoppages associated with cleaning, sticking and contamination.

CHEMFAB® PTFE RELEASE SOLUTION



WHAT CAN BE MADE USING CHEMFAB® PRODUCTS?

- Exterior door mats
- High wear mats
- Welcome mats...



...ALSO USED IN MANUFACTURING:

- Walk-off mats
- Padded/cushion backed flooring
- Luxury vinyl tile
- Carpet yarns
- Heat setting

CHEMFAB® PRODUCTS OF CHOICE

CF4430, CF7330	Standard heavy belting for basic requirements
CF4430 X, CF3460	Premium belting for superior release and extended durability
CF7330 AS	Heavy belting product for processes with anti-static requirements

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/CRM/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