

BELTS AND SHEETS FOR CARPET YARNS HEAT SETTING

RELEASE SOLUTIONS FOR HEAT SETTING

Thanks to the variety of designs and choice of yarns, carpet remains a popular choice of flooring for many homes and offices around the world.

Vital to carpet production is the heat setting of yarns, the process which prepares the yarn of choice to be fixed or set ready for use in the final product.

CHEMFAB® release solutions are used as processing aids when drying and heat setting carpet yarns. Configurable for a variety of different machines, these belts are available in options of controlled airflow for optimized drying. Their moisture resistance, flexibility and chemical inertness consistently delivers excellent release and durability in hot and humid environments.

CHEMFAB® release solutions allow for flexibility and seamless production for a wide choice of yarns.

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**



- ✓ Low-friction surface
- ✓ Thermally stable up to 400° F
- ✓ Non-stick
- ✓ Permeable open mesh
- ✓ Dimensionally stable in high humidity

- ✓ Highly Resistant to untreated yarn by-products
- ✓ Design options for all types of machines
- ✓ Quick drying
- ✓ Long-lasting

FEATURES



OUTCOMES

- ✓ Perfectly dry carpet yarns
- ✓ Non-stick release
- ✓ Simple installation
- ✓ Easy to operate and maintain
- ✓ No batch residue contaminants

- ✓ Less material waste
- ✓ Proven long-life solution
- ✓ Faster drying times
- ✓ Less downtime
- ✓ Treated dried yarns quicker to spool

The process of heat setting sees yarns transported on dryer belts and oxidized in high humidity ovens. This gives them shape memory, stain-resistance and prepares them for dyeing before being quickly dried and re-spooled - ready for use in the next stage of tufting and weaving.

CHEMFAB® PTFE-coated open-mesh belts withstand the hot temperatures and high moisture levels required for heat setting while the open mesh allows for perfectly dry yarn ready for spooling.

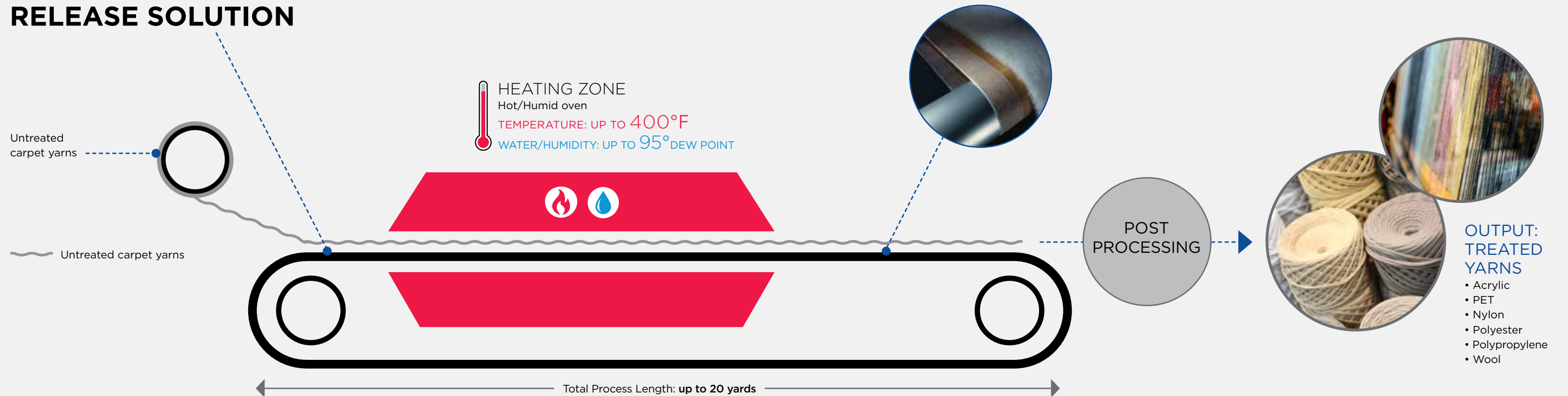
Mechanically and chemically durable thanks to the woven fabric and PTFE construction, CHEMFAB® belts retain their resistance to any yarn by-products and release the yarns reliably in temperatures up to 400° F. The choice of specially selected woven substrate combined with hydrophobic properties of PTFE, allow CHEMFAB® products to function optimally in the high humidity environment of heat setting with no loss of function - operating with ease at the 95° dewpoint.

At the end of each batch, CHEMFAB® non-stick PTFE coating delivers quick yarn release without any contaminant residue left behind.

Unlike belts that require repeated and precise non-stick coatings to perform optimally, ours are easy to install, operate and maintain and ready from the get-go, saving you downtime, operating expenses and helping you plan production cycles with precision.

The consistent results produced by our open-mesh belts mean that manufacturers can be confident that yarns such as Nylon, acrylic, polypropylene, PET, polyester and wool are perfectly prepared ready for use in tufting and weaving.

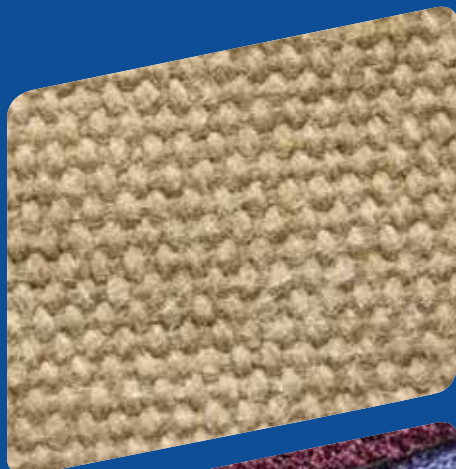
CHEMFAB® PTFE RELEASE SOLUTION



WHAT CAN BE MADE USING CHEMFAB® PRODUCTS?

Many types of carpet yarns that are prepared for further tufting and weaving. The range of yarns includes:

- Nylon
- Acrylic
- Polypropylene
- PET
- Polyester
- Wool...



...ALSO USED IN MANUFACTURING:

- Walk-off mats
- Crumb rubber mats
- Padded/cushion backed flooring
- Luxury vinyl tile

CHEMFAB® PRODUCTS OF CHOICE

TCK800, TCK1590

Open mesh heavy duty products for controlled airflow and drying

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/HS/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