

# SHEETS FOR uPVC WINDOW & DOOR WELDING

## RELEASE SOLUTIONS FOR WINDOW AND DOOR MANUFACTURING

Thermally efficient and virtually maintenance free, uPVC windows and doors have become an increasingly popular and cost effective solution for commercial and residential buildings around the world.

Manufacturing in high volumes requires streamlined operation for every part of the production process, and consistent release is a must to maximize output and minimize potential defects when welding uPVC windows and doors.

With a superior release surface and temperature resistance of up to 260°C / 500°F, CHEMFAB® PTFE products are optimal surfacing materials used to prevent melted PVC from sticking to and building up on welding platens of your machinery.

Offered as release sheets for V, flat and combined welding platens, CHEMFAB® release sheets are suitable to use in all hot plate welding processes, including RF and microwave systems. Easy-to-clean, the non-stick surface reduces the risk of contamination and weld failures, while offering excellent welding plate protection and reducing maintenance needs to a minimum.

### WITH OUR PRODUCTS YOU CAN ACHIEVE:

**1** HIGHER QUALITY FINISHES

**2** LESS MAINTENANCE - EASY TO CLEAN

**3** IMPROVED PRODUCTIVITY - MORE WELD CYCLES



DOORS  
& WINDOWS

### CHEMFAB® RELEASE SOLUTIONS FOR...

- uPVC Windows
- uPVC Doors



- ✓ Easy to clean
- ✓ Simple installation
- ✓ Configurable for any machine
- ✓ Excellent heat transfer
- ✓ Excellent non-stick PTFE surface
- ✓ Easy to operate & maintain
- ✓ Suitable for use with all heating systems including RF & microwave systems

- ✓ Suitable for sheets for V, flat & combined welding platens
- ✓ Stable at high pressure up to 4 bar/over 55 psi
- ✓ Resistant to temperatures up to 260°C/500°F
- ✓ Mechanically durable

## FEATURES



## OUTCOMES

- ✓ Optimal release
- ✓ Less material waste
- ✓ Less downtime
- ✓ Less maintenance needs
- ✓ Defect-free product
- ✓ Improved cost effectiveness
- ✓ Higher quality finishes
- ✓ Easier cleaning and less set-ups
- ✓ Improved productivity
- ✓ Protects welding platens
- ✓ Consistent production processes
- ✓ Less weld failures

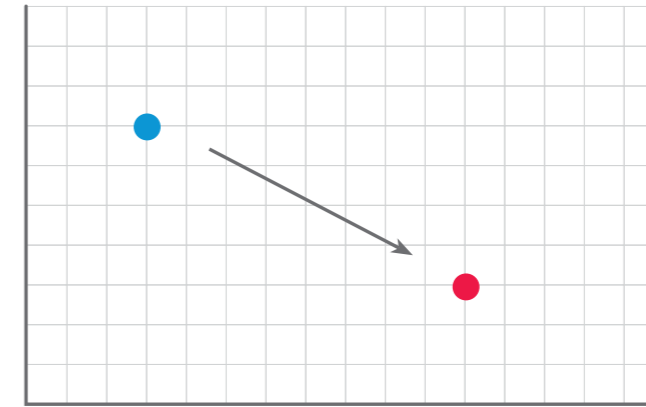
During the welding of uPVC windows and doors, CHEMFAB® PTFE release sheets cover the four heated welding platens on each corner of the window or door. This provides consistent release and prevents melted PVC from sticking to and building up on the welding platens of the machinery



SCAN ME for further processing information and helpful videos

## REDUCE MAINTENANCE TIME

Maintenance Time



Standard Material

SRF206 Copper

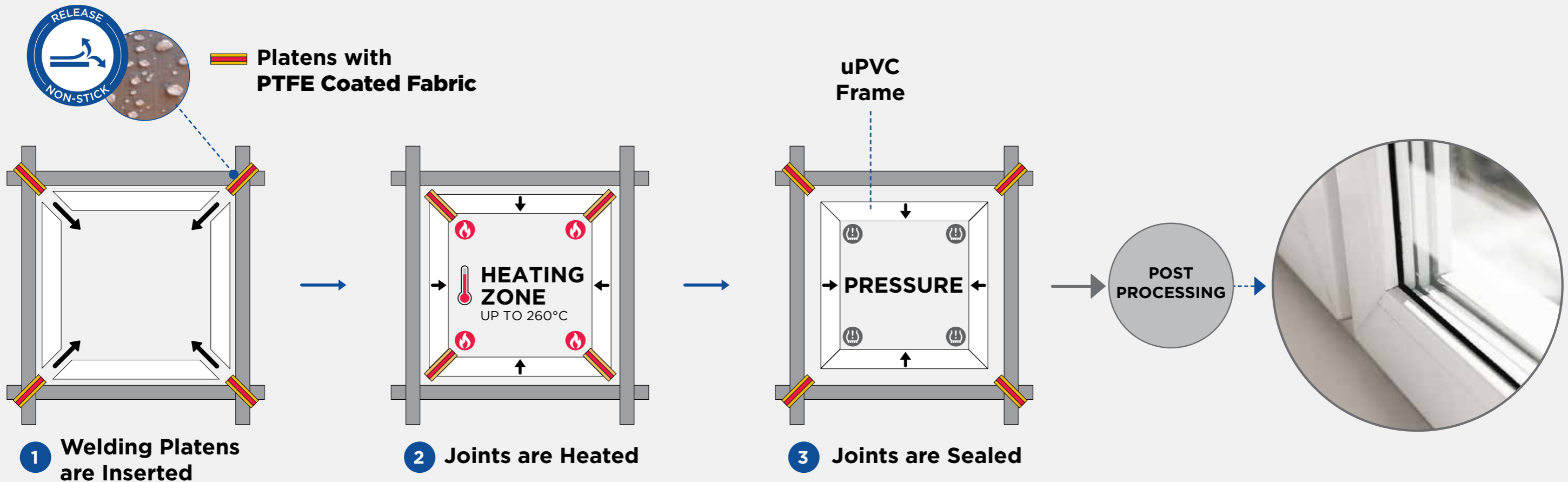
Products

Newly developed CHEMFAB® SRF206 Copper has a smooth, superior non-stick release surface.

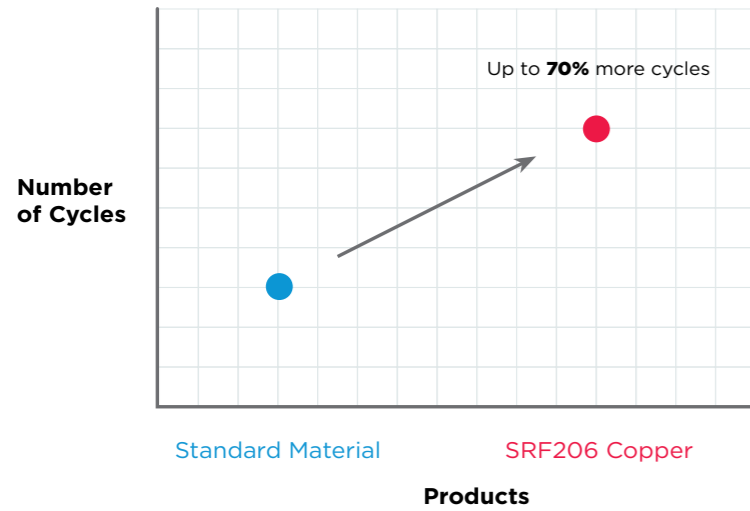
This helps you to achieve higher productivity and makes it easier to clean the welding platens.

Suitable for:  
V flat & combined welding platens

## CHEMFAB® PTFE RELEASE SOLUTION



## INCREASING the number of weld **CYCLES**



## TEST RESULTS



Our tests prove that due to smooth superior release, CHEMFAB® SRF206 Copper can work for a longer time without the need to change it.

This helps you to achieve:

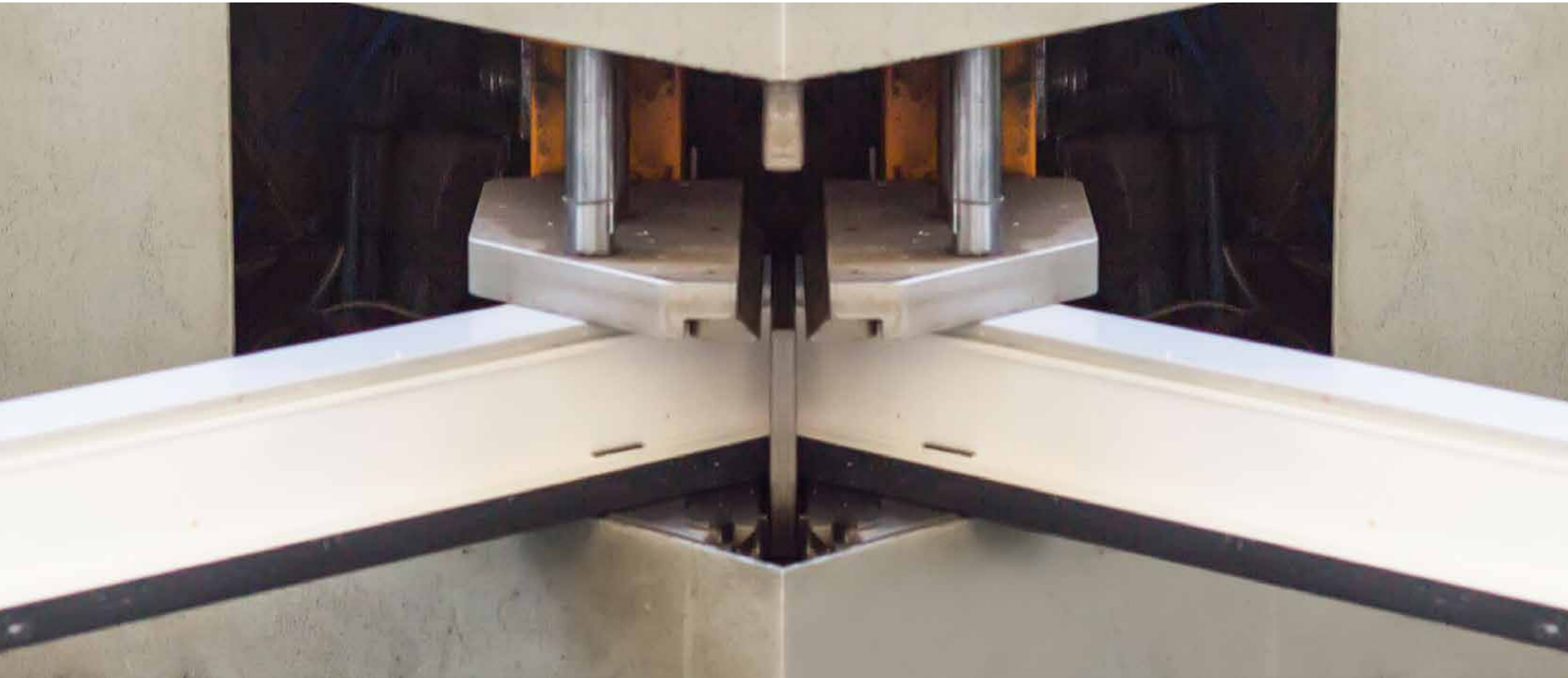
- Increased number of cycles
- Higher quality finishes

## WHAT DO OUR CUSTOMERS SAY?

Approving changes for production is a long process that can easily go wrong, so at times it is easier to stay with your current solution. We have tried using different release sheets in the past, and when we heard about the new SRF206 Copper product from Saint-Gobain, we were a bit sceptical. As with every trial, we didn't want it to negatively impact the quality of the profile and our production targets.

The easy clean and less changeovers sounded good however – so we have used it and are very happy with it. The new sleeves are so easy to clean! The PVC just doesn't stick to them so we can run the machines for **70% longer** before we need to change. We now have less breakdowns and maintenance, so we can focus on production and keeping our customers and management happy.

**Hervé Maindron**  
Warehouse & Maintenance Manager  
Lapeyre Industries



# WHAT CAN BE MADE USING CHEMFAB® PRODUCTS?

**uPVC welding  
platen release fabric  
for:**

- uPVC Windows
- uPVC Doors
- Conservatories



## CHEMFAB® PRODUCTS OF CHOICE

CF206	Premium product with a smooth surface and excellent release
SRY006 Blue	Enhanced mechanical stability product with a super smooth surface
SRL6GX	Premium products with superior release and extended durability
SRF206 Copper	Premium product with a super smooth surface which provides superior release

*Products are also available  
in a Pressure Sensitive  
Adhesive version*



CHEMFAB® products have been used by uPVC window and door welders for many years. Working closely with our partners we really understand their challenges.

Working together, we have developed the new SRF206 Copper release solution.

*"We recommend the new Saint Gobain SRF206 Copper PTFE coated fabric. This is a friendly product in the process of welding profiles, our tests have proved that they are above average strength.*

*We have seen in practice that the release sheets do not need to be changed as often as happens in the case of other products.*

*What is important to us in the window production process is that this new Saint Gobain Fabric maintains its properties throughout the entire period, which translates into high quality of welded window profiles."*

**Daniel Trzosek**

Production Manager at the window production department of KRISPOL



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