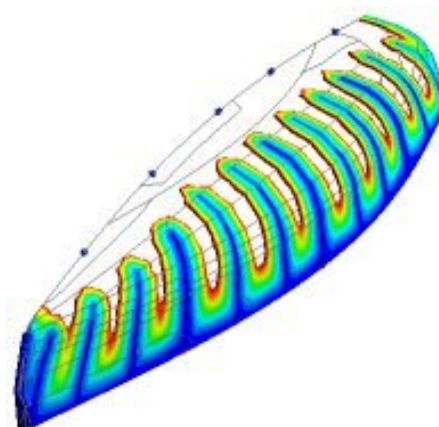
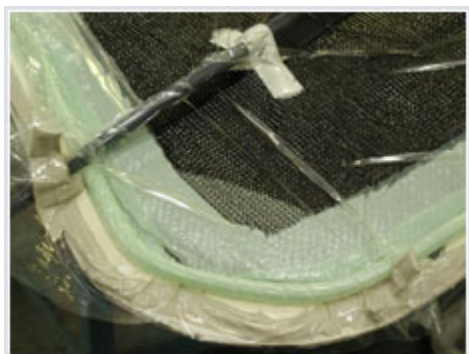
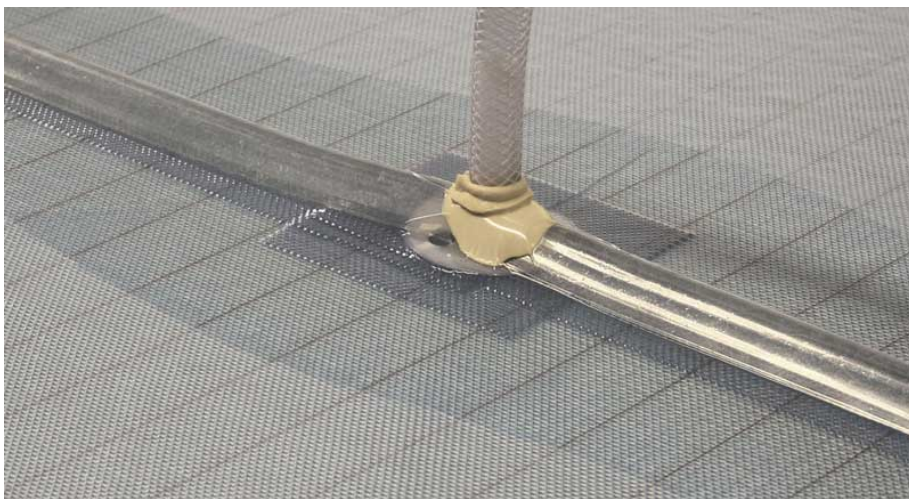




SAERflow®

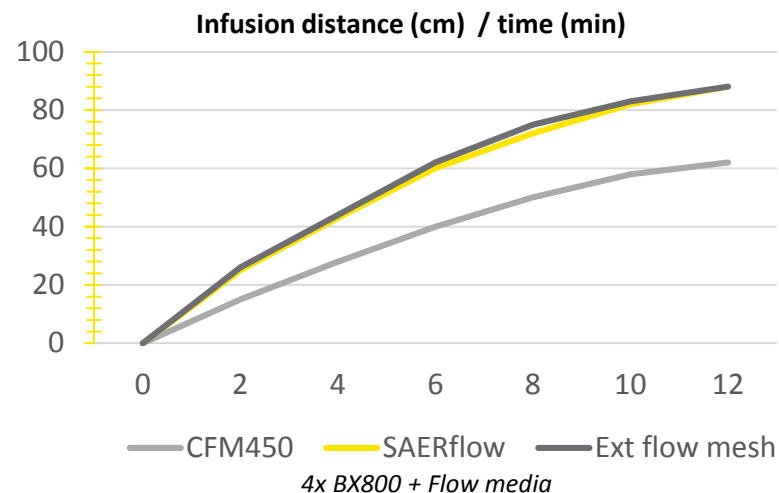
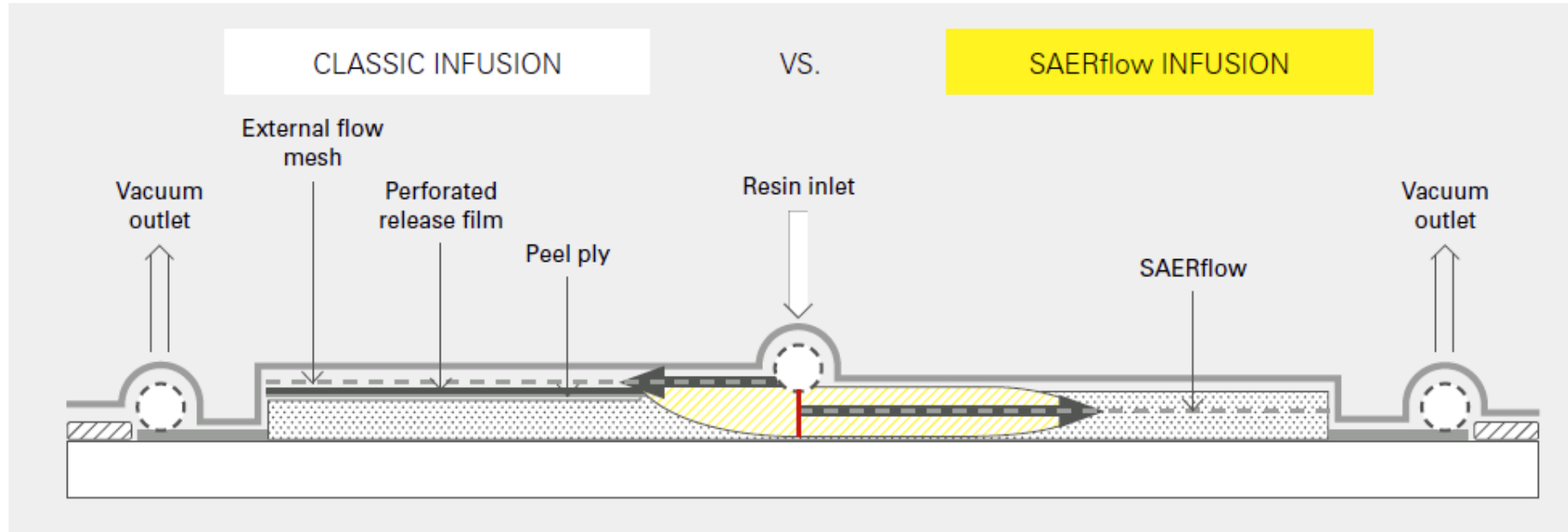
STRUCTURAL FLOW MEDIA

BACKGROUND



- Vacuum infusion and silicon bagging processes are constantly evolving
- Main drawbacks of infusion are preparation time (flow mesh, peel ply, perforated film) and associated waste
- Market is looking for turnkey solution that can bring productivity and remain structural
- Most industrial applications accept a lower performance ply resulting in $W_f < 70\%$ allowing better productivity + drop part cost
- Switching HLU to infusion results in thinner laminate: internal flow media helps to keep part rigidity

CONCEPT



- Internal flow media / replaces: external flow mesh + perforated film + peel ply
- Can be stitched to basic NCF
- Very good resin flow and fabrics impregnation, especially for thick laminates
- Works with all resin systems: PES, VE, EP, filled resins...

FEATURES



COMPOSITION

NCF + -45° 300g / CSM 150g
(83% Glass / 17% synthetic yarn)

Non compressible fabric



PROPERTIES

High Drapeability

Bending Strength 94% *

Bending modulus 89% *

Preformable at 120°C



RESIN CONSUMPTION

0,8 to 1,0 kg/m²

THICKNESS

0,9 to 1 mm



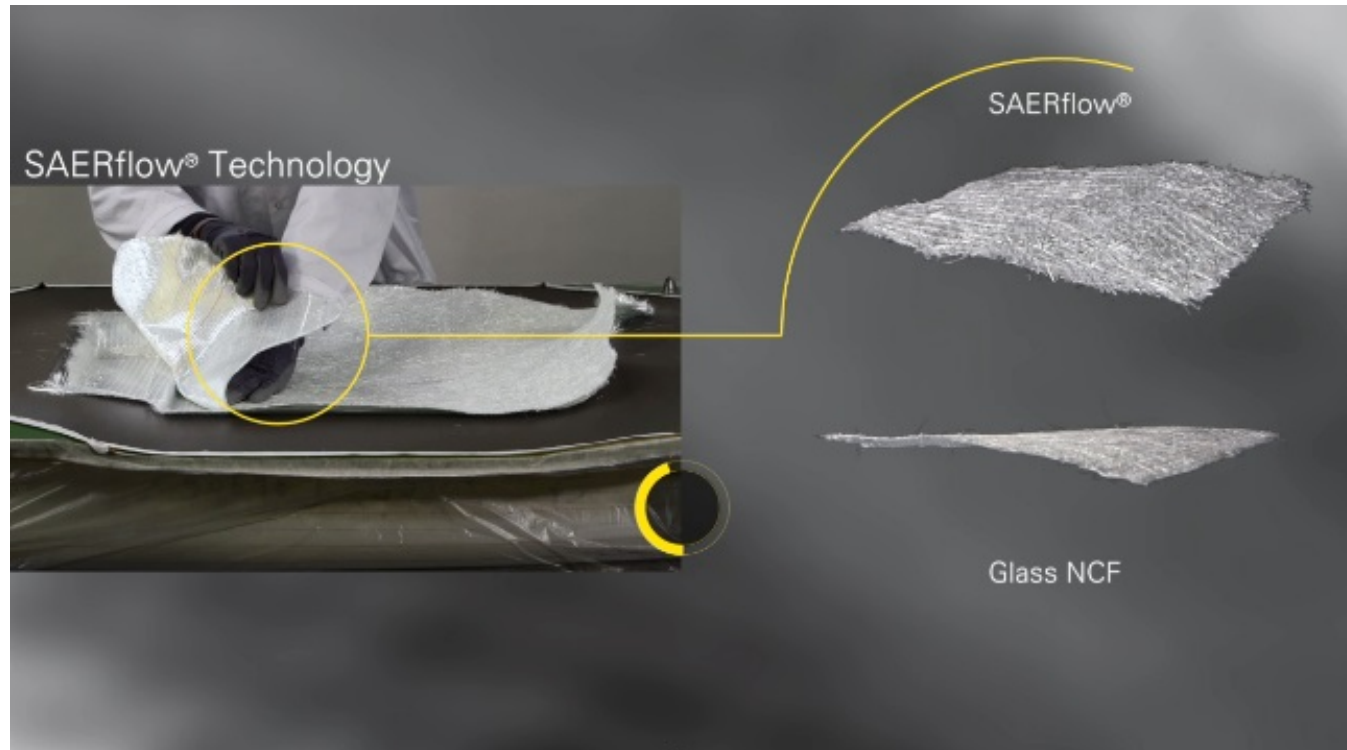
AVAILABILITY

Width: 127 and 254cm

Standard roll: 104m² (127cm width)

1 pallet = 12 rolls / 1250m²

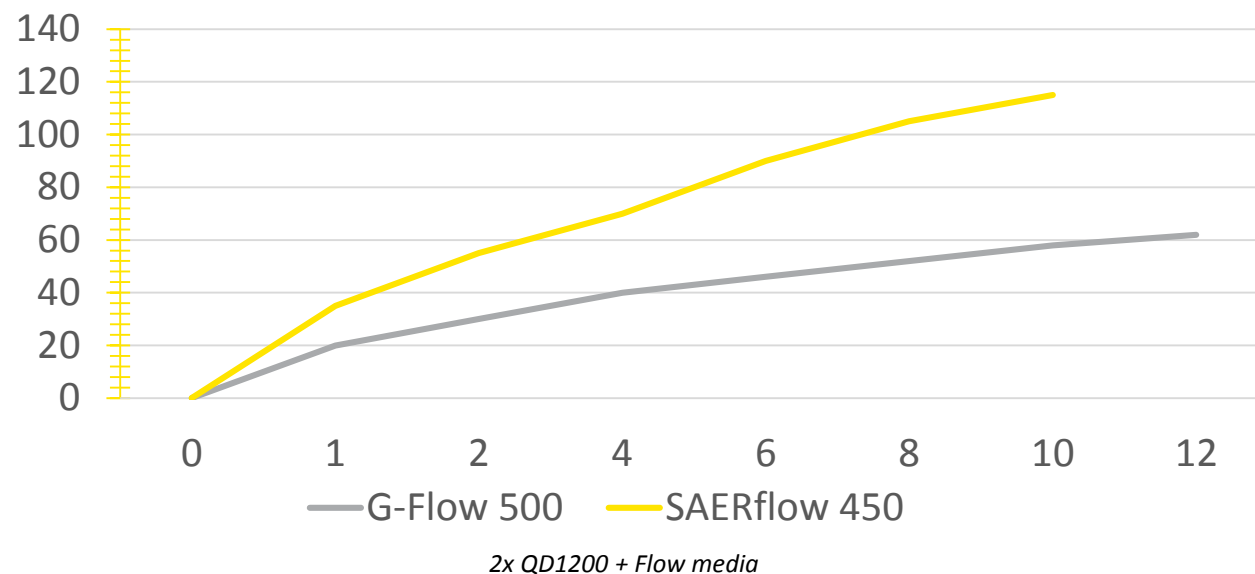
** Compared to pure glass laminate*



www.saertex.com/en/products/saerflow

BENCHMARK

Infusion distance (cm) / time (min)



- At equal weight, SAERflow gets higher flowing performances



- To get similar flow speed G-Flow needs ~1000g



- SAERflow's drapability is extremely convenient for complex shapes



THANKS FOR YOUR ATTENTION