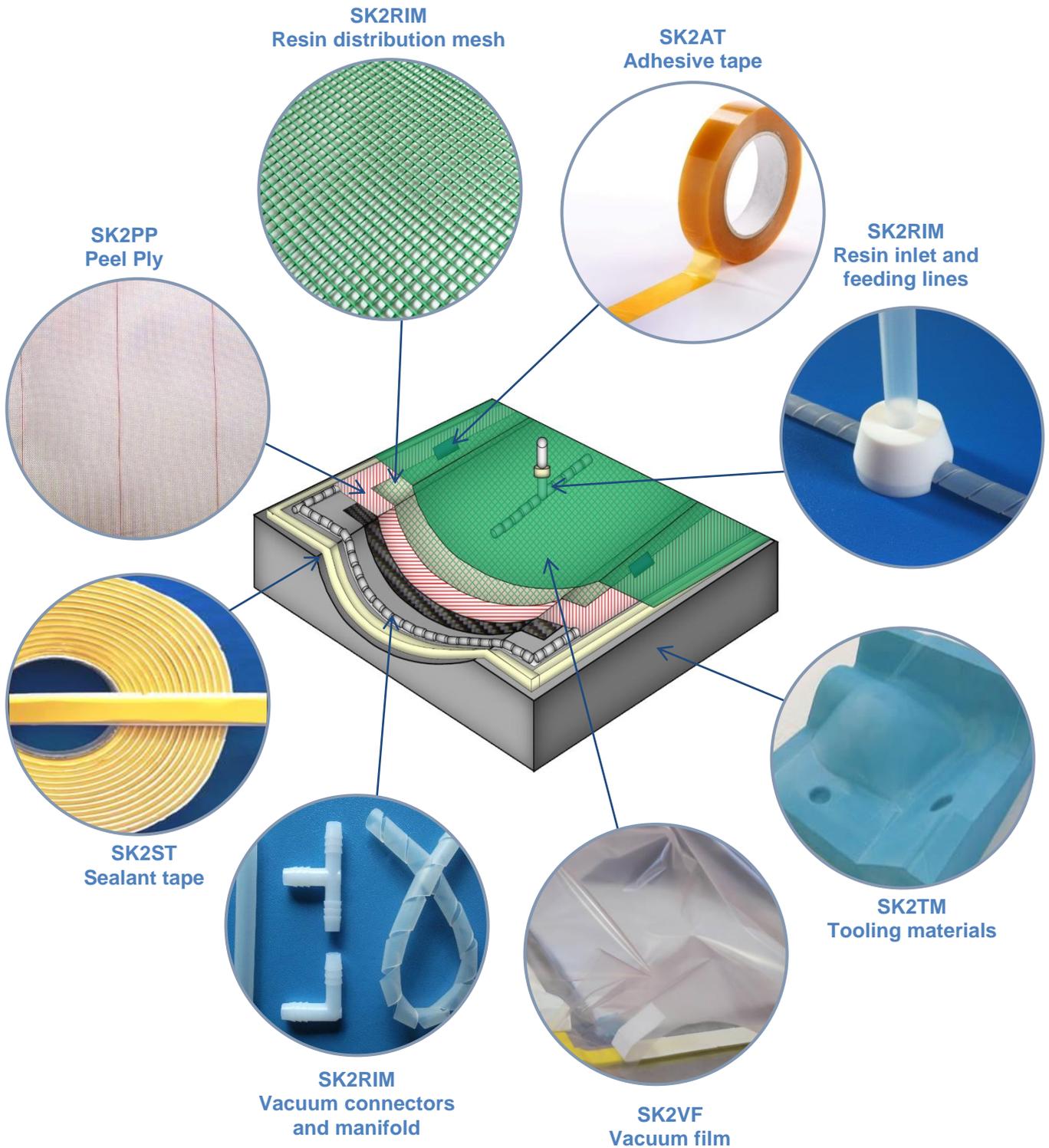




# PRODUCT SELECTION GUIDE

## HIGH TEMPERATURE RESIN INFUSION UP TO 180 °C

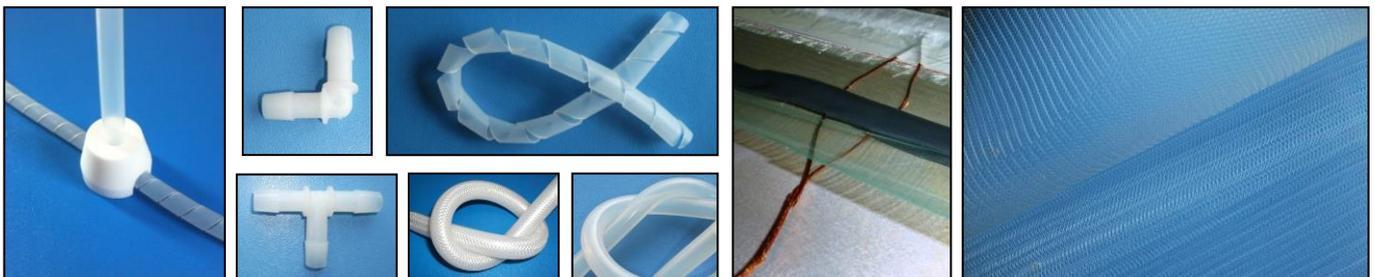
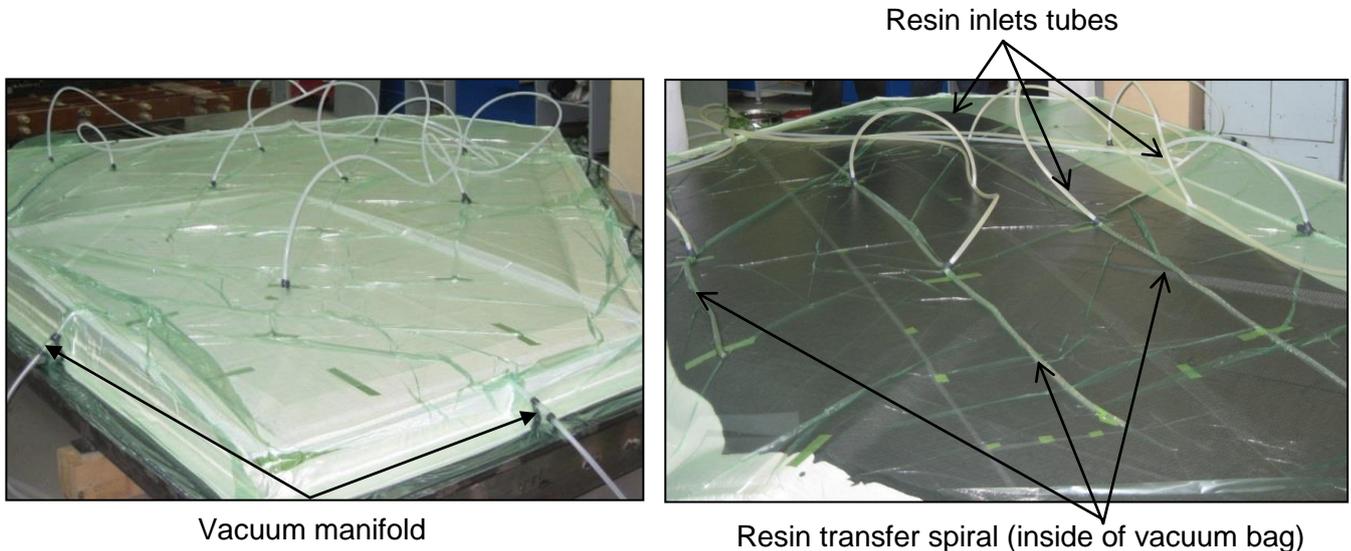
### ► Typical bagging schema of Resin Infusion Process





# PRODUCT SELECTION GUIDE

## HIGH TEMPERATURE RESIN INFUSION UP TO 180 °C



### ► Typical product selection for resin infusion by $\leq 180^{\circ}\text{C}$

Product	References	Description
Vacuum film	SK2VF180-1	Nylon film, Colour: transparent, Max. T =200°C, elongation 380%, Thickness: 50 & 75µm, width till 4,8m
	SK2VF200-1	Soft nylon vacuum film, green, Max. T =200°C, elongation 450%, 50 and 75 µm, width till 8 m
	SK2VF205-1	Nylon vacuum film, green, Max. T =205°C, elongation 400%, 50 and 75 µm, width till 3,56m
Sealant tape	SK2ST180-1	Multifunctional sealant tape, white/black/orange, Max. T=180°C, 3 mm x 12mm
	SK2ST200-1	Sealant tape, yellow, Max. T =200°C, 3mm x 12mm
	SK2ST205-2	Sealant tape, grey, Max. T =205°C, 3mm x 12mm
Peel ply	SK2PP200-3	Polyester peel ply, white with blue strips, Max. T=200°C, 90g/m <sup>2</sup> , 1,80m max. width. Possible to cut in needed width.



# PRODUCT SELECTION GUIDE

## HIGH TEMPERATURE RESIN INFUSION UP TO 180 °C

	SK2PP220-1	Polyamide peel ply, white with red stripes, max. T=220°C, 85g/m <sup>2</sup> , 1,80m max. width. Possible to cut in needed width.
	SK2PP230-2	Polyamide peel ply, light blue, with silicone coating, T=230°C, 60g/m <sup>2</sup> , 1,52m max. width. Possible to cut in needed width.
Resin distribution mesh	SKRIM180-11	Extruded distribution mesh, white, Max. T=180°C, 160g/m <sup>2</sup> , width 1,00 m.
	SK2RIM180-1	Soft woven distribution mesh, white, Max. T=180°C, 100g/m <sup>2</sup> , width 1,20m / 2,40m
	SK2RIM180-6	Rigid woven distribution mesh, white, Max. T=180°C, 105g/m <sup>2</sup> , width 1,25m / 2,50m
Double coated adhesive tape	SK2AT200-1	Double coated adhesive tape, white, T=200°C, 210 µm x 25mm/50mm x 50m
	SK2AT200-3	Double coated adhesive tape, white, protection liner white, T=200°C, adhesive type: acrylic, carrier type: polyester, 95 µm x 25/ 50mm x 33m
Spiral wrap for high temperature resin infusion	SK2RIM175-1	Spiral wrap, white, polyamide, Max. T=175-180°C, Ø inside 9 x outside 11 mm
Tube Silicone	SK2RIM260-1	Tube, Silicone, white, T=260°C, Ø inside 7 x outside 13 mm, other sizes are available
	SK2RIM260-5	Unreinforced hard silicone tube, inside Ø=7mm, outside Ø=15mm, other sizes are available
L-fitting for high temperature resin infusion	SK2RIM180-3	L-fitting, polyamide, white, T=180°C, 8mm x 8mm, other sizes are available
T-fitting for high temperature resin infusion	SK2RIM180-4	T-fitting, polyamide, white, T=180°C, 8mm x 8mm x 8mm. other sizes are available
I-fittings for high temperature resin infusion	SK2RIM180-5	I-fitting, polyamide, white, T=180°C, 8mm x 8mm, other sizes are available
X- Fitting for high temperature resin infusion	SK2RIM180-9	X-fitting, polyamide, white, T=180°C, 8mm x 8mm x 8mm x 8mm
Barb coupling adapter fittings	SK2RIM180-10	Passage from internal Ø 12mm to internal Ø 8mm
Omega profile feeding line	SK2RIM260-10	Silicone omega flow lines for resin inlet, T=260°C, white, inside Ø= 8mm, 15lm in roll, other sizes are available
Adhesive Tape	SK2AT205-1, 2, 3, 4	All purpose pressure sensitive tape, blue, T=205°C, adhesive: silicone, carrier type: polyester, different widths and adhesive thickness available
Resin infusion connectors / adapters	SK2RIM000-3	PA, T=180°C for spiral Ø= 12mm and inlet tube Ø=12-13mm or with flat base
	SK2RIM000-2	PTFE, T=260°C RIC: for spiral Ø= 12mm and inlet tube Ø=12-13mm or RICF: with flat base
	SK2RIM000-8	Resin Infusion Adapter for connection of tube with internal Ø=8-10 mm
Resin distribution tape	SK2RIM180-2	Tape, polyester, white, T=180°C, 20mm x 25m



# PRODUCT SELECTION GUIDE

## HIGH TEMPERATURE RESIN INFUSION UP TO 180 °C

### Tools and Miscellaneous for resin infusion

Product	References	Description
Resin line clamp	SK2RIM000-1	Resin clamp for resin feed line metal
Resin line clamping device	Squeeze®	Tube clip for control and stop of each resin line separately. Max. Diameter of pinched tube: 15mm
	Squeezzer®	Tube clip for control and stop of each resin line separately. Max. Diameter of pinched tube: 25mm
Adhesive spray	AIRVIK-5	Spray for temporary bonding in resin infusion process, 500ml can, blue
Resin traps	SK3VAC-5L	Vacuum trap for resin 5L
	SK3VAC-15L	Vacuum trap for resin 15L
	SK3VAC-53L	Industrial vacuum trap for resin 53L
Mobile vacuum system	SK1MOVAC-1, 2	Vacuum system on the mobile platform with 1 (or 2) vacuum pump 18 m³/h (or 28m³/h), 1 (or 2) vacuum trap of 14,7l volume with full view cover, adjustable vacuum level, 3 quick disconnection plugs, 3 clamping fittings for the tube with external diameter 12mm to connect resin channels.





# PRODUCT SELECTION GUIDE

## HIGH TEMPERATURE RESIN INFUSION UP TO 180 °C

### Tools preparation and release

Product	References	Description
Tool cleaner	SK2TR000-1	Cleaner for the removal of silicone, sealing compounds and release agents rests.
	SK2TR000-2	Universal cleaner for composite, steel and aluminium moulds
Product	References	Description
Sealer for model-master and tooling	SK2TR450-1	Modelmaster sealer / primer for porous surfaces to seal them with a high gloss finish
	SK2TR450-2	Mould sealer for new or freshly cleaned mould surfaces (for treatment before use SK2TR450-5)
Release agents	SK2TR450-5	Semi-permanent, solvent-based mould release agent with high level of slipping, multipurpose
	SK2TR450-7	Semi-permanent, solvent-based mould release agent with high level of slipping, multipurpose, fast curing
	SK2TR450-8	Water based semi-permanent release agent, no sealing necessary, fast drying