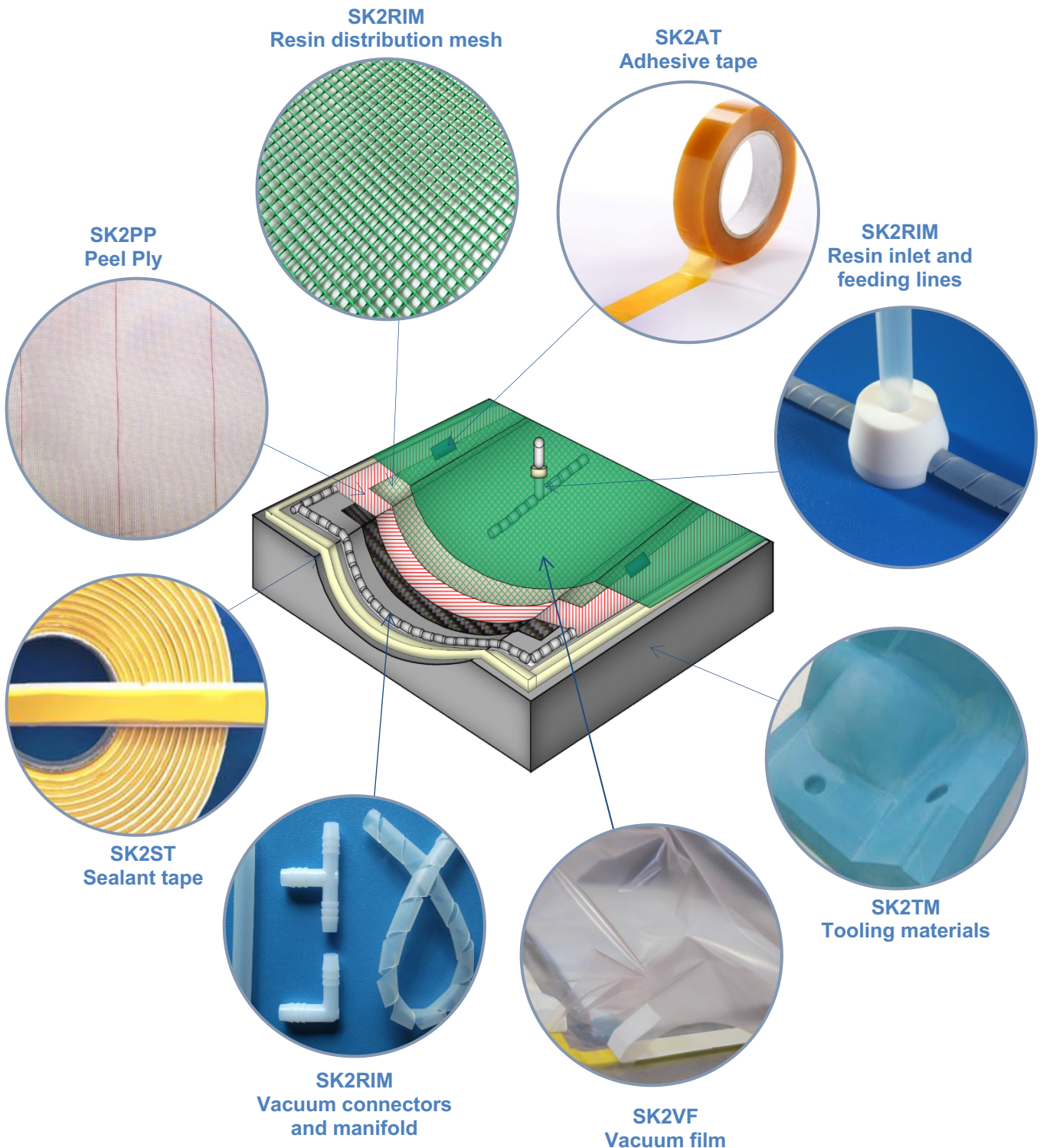




# PRODUCT SELECTION GUIDE

## TYPICAL RESIN INFUSION AT RT

### ► Typical bagging schema of Resin Infusion Process at room temperature





# PRODUCT SELECTION GUIDE

## TYPICAL RESIN INFUSION AT RT

### ► Typical product selection for resin infusion by room temperature

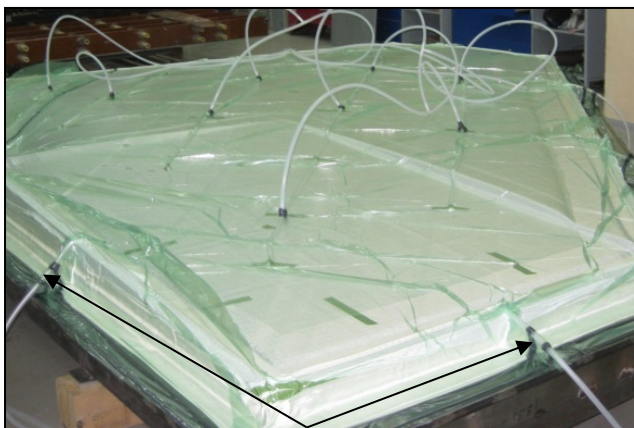
Product	References	Description
Vacuum film	SK2VF120-1	Multilayer nylon vacuum film, green, max. T =120°C, elongation 460%, thickness 75 and 80 мкм, width till 16m
	SK2VF170-1	Soft nylon vacuum film, green/pink, max. T =180°C, elongation 380%, 50 and 75 μm, width till 4,6m
	SK2VF170-2	Multilayer nylon film, Colour: yellow/blue, Max. T =177°C, elongation 400%, Thickness: 50 & 70μm, width till 12 m
	SK2VF180-1	Nylon vacuum film, clear, Max. T =180°C, elongation 380%, 50 and 75 μm till 4,6 m
Sealant tape	SK2ST120-3	Sealant tape, black, Max. T =120°C, 3mm x 12mm
	SK2ST150-2	Sealant tape, black, Max. T =150°C, 3mm x 12mm
	SK2ST130-1	Sealant tape, grey, Max. T =130°C, 3mm x 12mm
	SK2ST200-1	Sealant tape, yellow, T=200°C, 3mm x 12mm
Peel ply	SK2PP170-1	Polyamide peel ply, white with red stripes, T=190°C, 85g/m <sup>2</sup> , standard: 1,52m, max. 1,80m width
	SK2PP200-3	Polyester peel ply, white with blue or red stripes, T=190°C, 92g/m <sup>2</sup> , standard: 1,52m, max. 1,80m width
	SK2PP230-2, -4	Polyamide peel ply, yellow, light blue, with silicone coating, T=230°C, 60g/m <sup>2</sup> , max. 1,52m width
Resin distribution mesh	SK2RIM90-5,-6, -7, -8, -9	Woven resin distribution mesh, black T=90°C, 105-180 g/m <sup>2</sup> , width 2m
	SK2RIM120-1	Extruded mesh, green, T=150°C, 100g/m <sup>2</sup> , width 1,21m
	SK2RIM120-2	Extruded mesh, green, T=150°C, 103g/m <sup>2</sup> , width 1,04m
	SK2RIM115-1	Woven mesh, yellow, T=115°C, 165g/m <sup>2</sup> , width 1,25m / 2,50m
Tube mesh	SK2RIM125-1	Sewed tubular mesh, yellow, T=125°C, for tube till o.d. 13mm 50 l.m. roll
Low print belt	SK2RIM120-3	Low print belt for reducing the print of injection lines on the laminate, T=120°C, 100mm width.



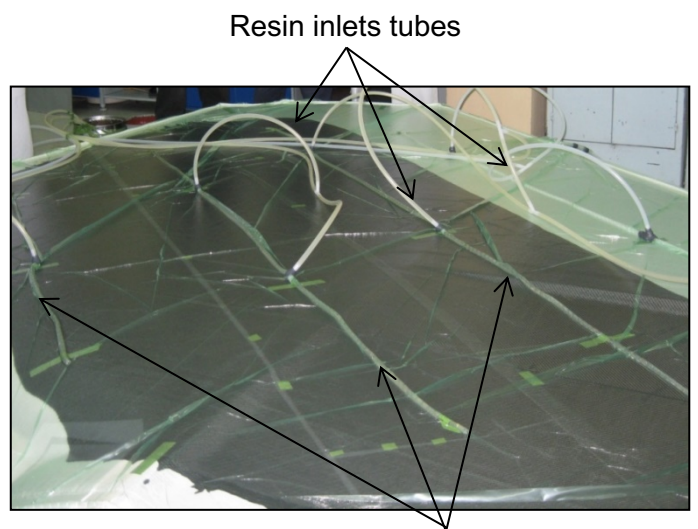
# PRODUCT SELECTION GUIDE

## TYPICAL RESIN INFUSION AT RT

Combined product	SK2COM115-1	Combined product, made of yellow flow mesh SK2RIM115-1/ blue polyolefin release film SK2RF120-1 with perforation PK, T=115 °C
Double coated adhesive tape	SK2AT60-1	Double coated adhesive tape, white, Max. T=60°C, 271 µm x 25mm x 33m
Spiral wrap	SK2RIM90-1	Spiral wrap, white, PET, Max. T=90°C, available Ø inside 8, 10, 12 mm
Tube PE	SK2RIM90-2	Tube, PET, white, T=90°C, available Ø inside 8, 10, 12 mm
L-fitting	SK2RIM90-3	L-fitting, white, T=90°C, available Ø outside 8 and 10 mm
T-fitting	SK2RIM90-4	T-fitting, white, T=90°C, available Ø outside 8 and 10 mm
Omega profile feeding line	SK2RIM260-10	Silicone omega flow lines for resin inlet, T=260°C, white, inside Ø= 12mm, 15lm in roll
Adhesive Tapes	SK2AT205-1, -2, -4	All purpose pressure sensitive tape, blue, T=205°C, adhesive: silicone, carrier type: polyester, different widths and adhesive thickness available
Resin infusion connector	SK2RIM000-4	PE, T=90°C for spiral Ø= 12mm and inlet tube Ø=12-13mm
Resin distribution tape	SK2RIM180-2	Tape, polyester, white, T=180°C, 20mm x 25m
Vacuum manifold	MTI® hose	Tube in permeable casing



Vacuum manifold

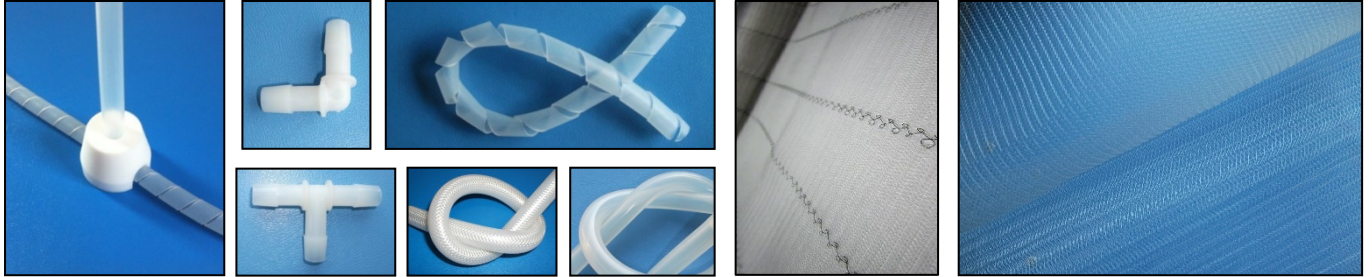


Resin transfer spiral (inside of vacuum bag)



# PRODUCT SELECTION GUIDE

## TYPICAL RESIN INFUSION AT RT



### 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
	Squeezer®	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
	AIRVIK-9	Strong tack aerosol adhesive for multipurpose temporary positioning of layers, 500ml can, transparent
Resin traps	SK3VAC-5L	Vacuum trap for resin 5L
	SK3VAC-15L	Vacuum trap for resin 15L



# PRODUCT SELECTION GUIDE

## TYPICAL RESIN INFUSION AT RT

Mobile vacuum system	SK1MOVAC-1, 2	Vacuum system on the mobile platform with 1 (or 2) vacuum pump 18 m <sup>3</sup> /h (or 28m <sup>3</sup> /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.
----------------------	---------------	--



### 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, multipropose
	SK2TR450-7	Semi-permanent, solvent-based mould release agent with high level of slipping, multipropose, fast curing
	SK2TR450-8	Water based semi-permanent release agent, no sealing necessary, fast drying
	SK2TR450-12	Semi-permanent, solvent-based mould release agent, very fast drying