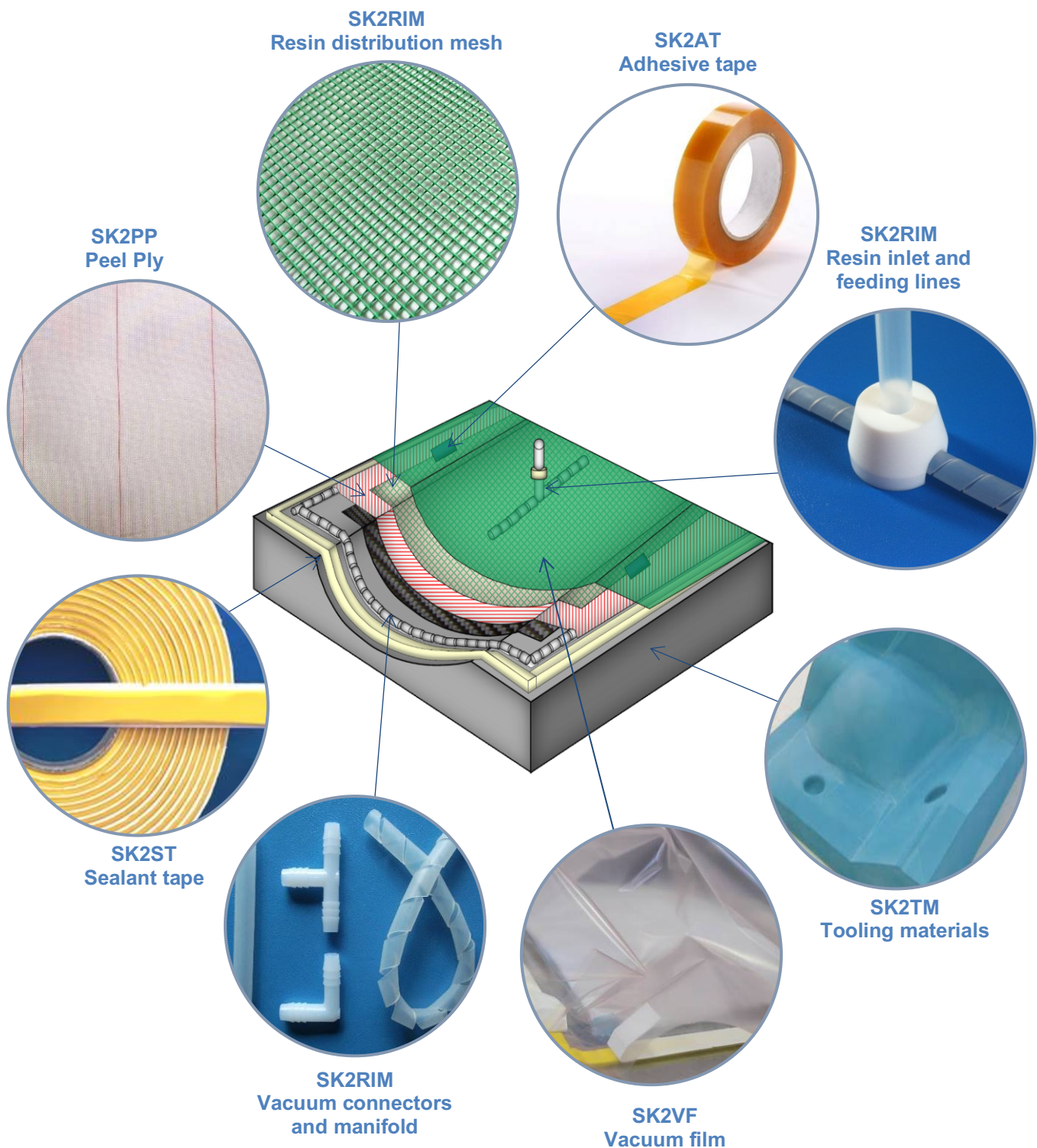
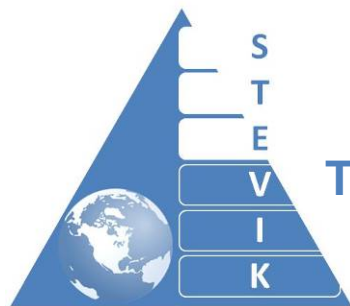


# Product selection guide

## Typical product selection for resin infusion in wind energy industry

### ► Typical bagging schema of Resin Infusion Process



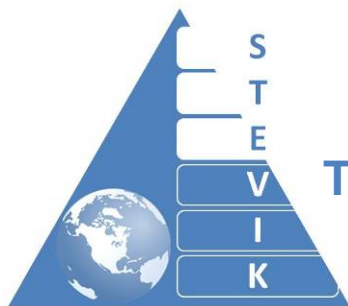


# Product selection guide

## Typical product selection for resin infusion in wind energy industry

### Bagging materials for resin infusion in wind energy

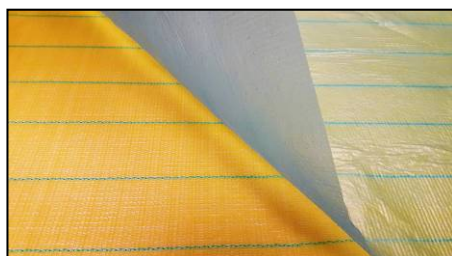
Product	References	Description
Vacuum film	SK2VF120-1	Multilayer vacuum film, polyethylene and nylon, green, max. T =120°C, elongation 460%, thickness 75 and 80 мкм, width till 16m
	SK2VF170-2, 3	Multilayer nylon film, Colour: yellow/blue, max. T =177°C, elongation 400%, Thickness: 50 and 70µm, width till 12 m
Sealant tape	SK2ST120-1	Sealant tape, black, max. T =120°C, 3mm x 12mm
	SK2ST130-1	Sealant tape, grey, max. T =130°C, 3mm x 12mm
	SK2ST180-1	Multifunctional sealant tape, white/black/orange, max. T=180°C, 3 mm x 12mm x 7,5 lm,
	SK2ST200-1	Sealant tape, yellow, max. T=200°C, 3mm x 12mm
Peel ply	SK2PP170-1	Polyamide peel ply, white with black stripes, max. T=190°C, 85g/m², max. 1,80m x 200m
	SK2PP220-1	Polyamide peel ply, white with red stripes, max. T=220°C, 85g/m², 1,80m x 200m
Release film	SK2RF120-1	Polyolefin release film, blue, max.T=125°C, elongation 550%, thickness 28µm, available with perforation PJ, PK and not perforated
	SK2RF120-2	Polyolefin release film, orange, max. T=120°C, elongation 560%, thikness 25 µm, available with perforation PK, PL and not perforated
	SK2RF155-1	Polyolefin release film, red, max. T=157°C, elongation 620%, thickness 30 and 50 µm, available with perforation PJ, PK and not perforated
Release fabrics	SK2RE260-1, 2, 3, 4	Porous and non-porous PTFE coated fibreglass release fabric, max. T=260°C, thikness 40, 60, 75 and 150 µm
Rubber	SK2RS230-1	Cured silicone elastomer, transparent, elongation 650%, T=230°C, thikness 0,76+/-0,20mm
	SK2RS230-2	Uncured silicone elastomer, transparent, elongation 650%, T=230°C, thikness 0,76+/-0,20mm
Resin distribution mesh	SK2RIM90-5,-6, -7, -8, -9	Woven mesh, black, max. T=90°C, 105-180 g/m², width 2m
	SK2RIM120-1	Extruded mesh, green, max. T=150°C, 100g/m², width 1,21m
	SK2RIM115-1	Woven mesh, yellow, T=115°C, 165g/m², width 1,25m / 2,50m
Tube mesh	SK2RIM125-1	Sewed tubular mesh, yellow, max. T=125°C, for tube till outside Ø 13mm, 50 l.m. roll
Combined product	SK2COM115-1	Yellow flow mesh SK2RIM115-1 combined with blue polyolefin release film SK2RF120-1 with perforation PK, max. T=115 °C
Double coated adhesive tape	SK2AT60-1	Double coated adhesive tape, white, max. T=60°C, 271 µm x 25mm x 33m
	SK2AT200-2	Double coated adhesive tape, white, Max. T=200°C, 110 µm x 25mm x 50m
	SK2AT200-3	Double coated adhesive tape, white, Max. T=200°C, 95 µm x 25mm x 33m
Spiral wrap	SK2RIM90-1	Spiral wrap, white, PET, Max. T=90°C, available Ø inside 8 mm, 10 mm
	SK2RIM175-1	Spiral wrap, white, polyamide, max. T=175-180°C, Ø inside 9 x outside 11 mm



# Product selection guide

## Typical product selection for resin infusion in wind energy industry

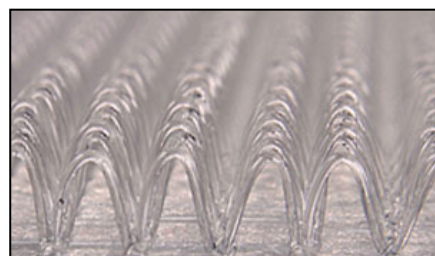
Tube PE	SK2RIM90-2	Tube, PE, white, max. T=90°C, available Ø inside 8 mm, 10 mm and other sizes on request
L-fitting	SK2RIM90-3	L-fitting, PE, white, T=120°C, available Ø outside 8 mm and 10 mm
	SK2RIM180-3	L-fitting, polyamide, white, T=180°C, available Ø outside 8 mm and 10 mm
T-fitting	SK2RIM90-4	T-fitting, PE, white, T=120°C, available Ø outside 8 mm and 10 mm
	SK2RIM180-4	T-fitting, polyamide, white, T=180°C, available Ø outside 8 mm 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, 3, 4	All-purpose tape, blue, T=205°C, adhesive: silicone, carrier: 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
	SK2RIM000-3	PA, T=180°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



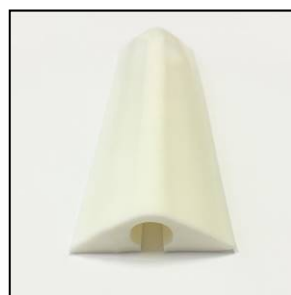
Combined product



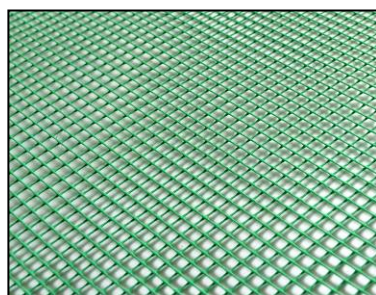
Tube mesh



Resin distribution tape



Omega profile feeding line

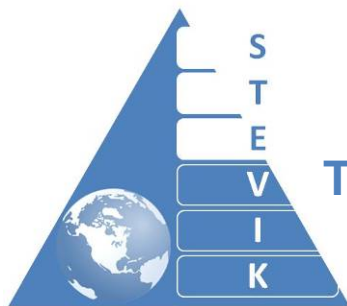


Extruded resin distribution mesh



Woven resin distribution mesh



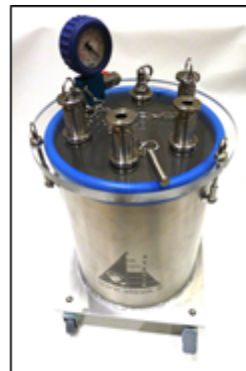
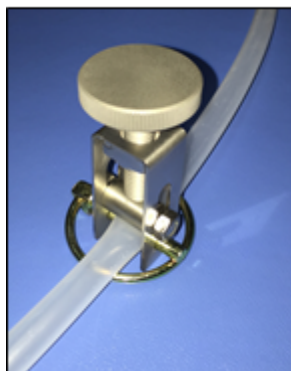


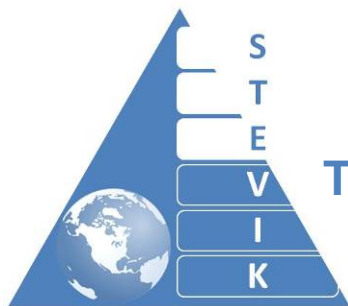
# Product selection guide

## Typical product selection for resin infusion in wind energy industry

### 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	Squeezee®	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
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

## Typical product selection for resin infusion in wind energy industry

### 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
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