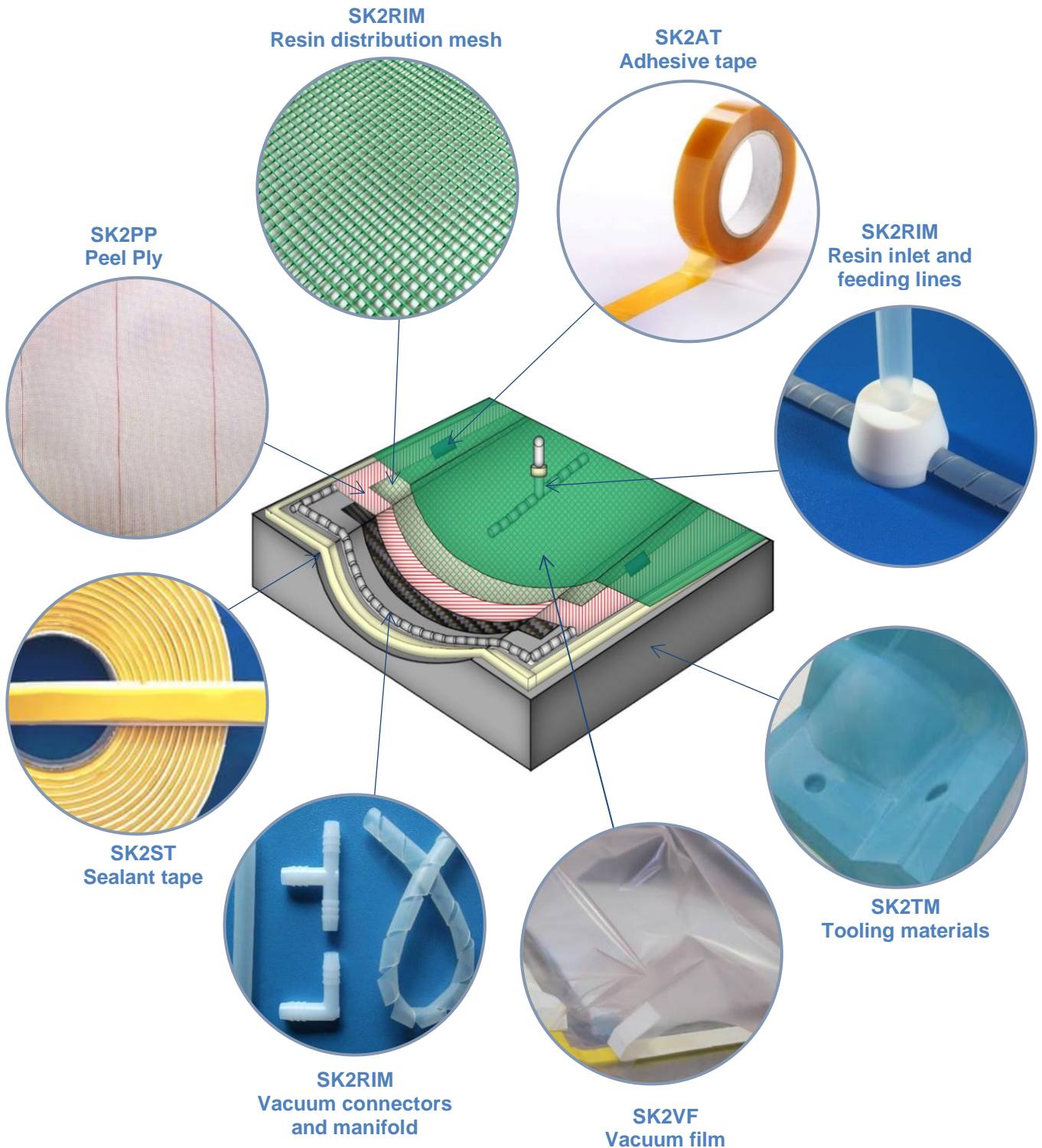




PRODUCT SELECTION GUIDE

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

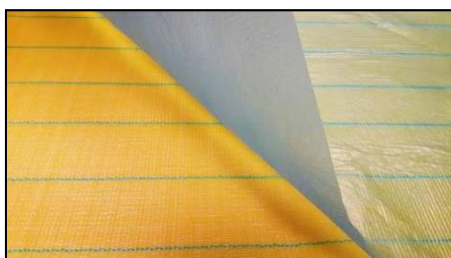
Product	References	Description
Vacuum film	SK2VF120-1	Multilayer vacuum film, polyethylene and nylon, green, max. T =120°C, elongation 460%, thickness 75 and 80 мкм, width till 16m
	SK2VF170-2, 3	Multilayer nylon film, Colour: yellow/blue, max. T =177°C, elongation 400%, Thickness: 50 and 70µm, width 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/m ² , max. 1,80m x 200m
	SK2PP220-1	Polyamide peel ply, white with red stripes, max. T=220°C, 85g/m ² , 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/m ² , width 2m
	SK2RIM120-1	Extruded mesh, green, max. T=150°C, 100g/m ² , width 1,21m
	SK2RIM115-1	Woven mesh, yellow, T=115°C, 165g/m ² , 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



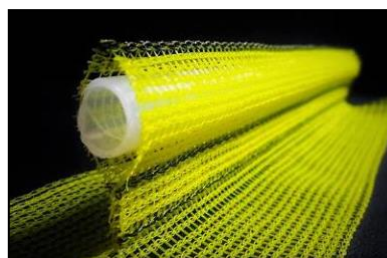
PRODUCT SELECTION GUIDE

TYPICAL PRODUCT SELECTION FOR RESIN INFUSION IN WIND ENERGY INDUSTRY

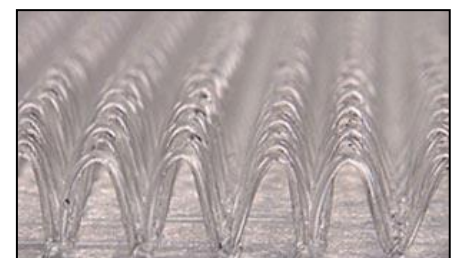
Combined product	SK2COM115-1	Yellow flow mesh SK2RIM115-1 combined with blue polyolefin release film SK2RF120-1 with perforation PK, max. T=115 °C
Double coated adhesive tape	SK2AT60-1	Double coated adhesive tape, white, max. T=60°C, 271 µm x 25mm x 33m
	SK2AT200-2	Double coated adhesive tape, white, 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
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

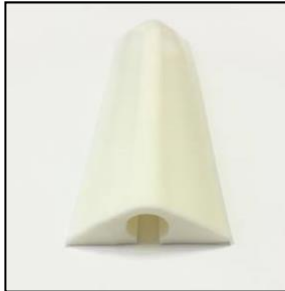


Resin distribution tape

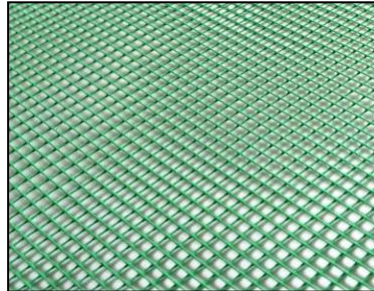


PRODUCT SELECTION GUIDE

TYPICAL PRODUCT SELECTION FOR RESIN INFUSION IN WIND ENERGY INDUSTRY



Omega profile feeding line



Extruded resin distribution mesh



Woven resin distribution mesh

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
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 m ³ /h (or 28m ³ /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, 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