Splicing tapes for the printing and converting industries

Scapa offers a full range of technical splicing tapes, which are specially formulated for the splicing of papers, films, foils, carpets and PVC flooring. At every stage in manufacturing, from core starting, butt splicing, overlap and flying splicing applications to roll finishing and closing, Scapa offers a suitable product for the application.

To comply with all splicing methods and the wide range of substrates and needs of converters and printers, the Scapa range of splicing products includes:

- Transfer films for core starting and overlap splicing
- Single sided tapes for core starting, butt splicing and roll closing
- Double-sided tapes for core starting, overlap and flying splicing and roll closing
- Pressure sensitive adhesive tapes with high performance rubber and acrylic adhesives as well as thermoactive tapes for more demanding conditions

Our specialist sales and technical personnel are always on hand to give recommendations on the most appropriate product for your specific application.

Benefits of the Splicing tapes range:

- High performance adhesive formulations give high ultimate bond strength, giving secure splices and minimised down-time
- High shear and tensile strength
- Excellent heat resistance
- Quick stick and high tack properties
- Self-wound constructions (for single sided tapes) with easy unwind
- Speciality pressure sensitive adhesives provide high tack and excellence temperature resistance under stress (up to 200°C continuously and +250°C short term)
- Stay flat carriers ensure no creasing or wrinkling and no shrinkage during application on large widths
- Plasticisiers and solvents resistant

Splicing forms an integral part of our tape manufacturing process. Downtime resulting from broken splices can be avoided by selecting splicing tapes designed for the job.

Scapa tapes can also be tailored to meet individual customer needs. Contact Scapa to find your perfect solution.

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Scapa Splicing Solutions

Single-sided tapes

Product	Thickness (µ)	Carrier / Adhesive	Peel adhesion* (N/25mm)	Application	Features & Benefits
1100 1112	47 57	Cellulose / Rubber	7.5	Butt splicing of packaging papers, films and foils	Hand tearable. Good heat and solvent resistance compared to thermoplastic based products. Cellulose carrier is not affected by heat of the thermal wrapping system. 1112 is red, which helps in identifying of the splice. Operating temperature: -15°C to +100°C.
1201	47	Clear MOPP / Acrylic	5	Butt splicing of papers and plastic films in label industry	Transparency remains over time. Non-staining tape for jointing in the textile industry. Operating temperature: -15°C to +110°C.
R524	100	PET film / Silicone	8.75	Butt splicing of siliconised papers and plastic films	Thick adhesive coat weight helps in bonding well to most common siliconised surfaces. Green color enables easy splice identification. Excellent heat, chemicals and shear performance. Operating temperature: -40°C to +180°C (+200°C short term).
R592	83	PET film / Silicone	9.6	Butt splicing of siliconised papers and plastic films	Bonds well to most common siliconised surfaces. Green color enables easy splice identification. Operating temperature: -40°C to +180°C (+200°C short term).
1601	68	PET film / Silicone	7	Butt splicing of siliconised papers and plastic films	Bonds well to most common siliconised surfaces. Blue color enables easy splice identification. Operating temperature: -40°C to +180°C (+200°C short term).
C1640	60	PET film / Silicone	7	Butt splicing of siliconised papers and plastic films End roll tabbing	Bonds well to most common siliconised surfaces. C1640 features a PVC embossed liner as well as a silicone release on its backing, which ensure the same non-stick properties as the web material (tape and label manufacturing). Excellent heat, chemicals and shear performance. Operating temperature: -40°C to +130°C (+150°C short term). C1640 is transparent.
1650	48	PET film / Silicone	7	Butt splicing of siliconised papers and plastic films	Bonds well to most common siliconised surfaces. Excellent heat resistance. Red color enables easy splice identification. Very thin splicing solution. Excellent heat, chemicals and shear performance. Operating temperature: -40°C to +130°C (+150°C short term).
1695	45	Aluminised PET film / Acrylic	6.5	Butt splicing	Aluminum color backing for easy identification. Very thin splicing solution. Excellent heat, chemicals and shear performance. Operating temperature: -15°C to +130°C.
K125	84	PET film / Acrylic	26.25	Butt splicing, PVC flooring, online repairing	Outstanding tack and adhension to many non-silicone substrates. Can be used in combination with K132. Operating temperature: -40°C to 150°C.
K132	315	Impregnated Paper / Acrylic	17.5	Butt splicing during PVC flooring, manufacturing rough / irregular surfaces	Versatile single-sided tape for splicing at all stages of coating, manufacture and converting. Excellent shear and peel resistance, even at very high temperatures. Operating temperature: -40°C to +200°C (+250°C short term). Backing can be top coated.
K134	209	Impregnated Paper / Acrylic	17.5	Butt splicing during PVC flooring, manufacturing rough / irregular surfaces	Thinner product than K132. Higher tack adhesive while maintaining excellent high temperature shear resistance. Operating temperature: -40°C to +200°C (+250°C short term). Backing can be top coated.

**Peel adhesion is measured at 180° to the surface on the stainless steel*

Scapa Splicing Solutions

Double-sided tapes

Product	Thickness (µ)	Carrier / Adhesive	Peel adhesion* (N/25mm)	Application	Features & Benefits
094	280	Cloth / Rubber	Open side: 11.4 Liner side: 9.5	Temporary carpet and flooring covering fixing	Thick double-sided cloth which provides a good bond to many surfaces. Removable after use due to its carrier and its specially formulated adhesive. Operating temperature: -15°C to +70°C.
956	102	Tissue paper / Acrylic	24.25	General purposes overlap splicing of papers and films	Easily hand tearable. High tack and adhesion to many non-silicone substrates. Immediate bond to almost any substrate. Operating temperature: -40°C to +80°C.
4400	100	u-PVC / Rubber	13	General purposes splicing with clean removability, core starting	Residue-free removal after use. Sticks well to various non-silicone surfaces. Operating temperature: -10°C to +70°C.
4440	90	Tissue Paper / Acrylic	11	General purpose overlap splicing of papers	Hand tearable. Bonds well to most common surfaces. Operating temperature: -20°C to +120°C.
4448	85	Cellulose / Rubber	11.5	Overlap splicing of packaging papers, films and foils	Hand tearable. 4448 is red, which helps in identification of the splice. Operating temperature: -10°C to +70°C.
D100	210	u-PVC / Acrylic	32.5	Splicing of heavy fabrics, wallpaper or other coarse substrates	Outstanding tack and adhesion to many non-silicone substrates. Bonds well at lower temperatures. Operating temperature: -40°C to +70°C.
D160	110	PET film / Acrylic	15	Overlap splicing of heavy fabrics, wallpaper or other coarse substrates	All the benefits of D100 at 110µ only. Can also be used for flying splicing of coated papers. Operating temperature: -40°C to +95°C.
D230	80	PET film / Permanent / Removable Acrylic	Open side: 15 Liner side: 6.25	Core starting whenever the last revolution should be used, overlap splicing with clean removability	Residue-free removal after use on liner side. Repositionable. Operating temperature: -40°C to +120°C.
D242	180	Tissue / Nitrile-phenolic	Up to 50 (depends on temperature / time used)	Overlap splicing and bonding of heavy duties and thick substrates	Standard product for overlap splicing during manufacture and converting of glass cloths, technical textiles & heavy fabrics. Creates a structural bond in many applications. Adhesives flows under heat and pressure to provide good bond onto porous substrates after curing. Rapid curing for faster production cycles. Operating temperature: -40°C to +300°C (when properly cured).

**Peel adhesion is measured at 180° to the surface on the stainless steel*

Scapa Splicing Solutions

Transfer tapes

Product	Thickness (µ)	Carrier / Adhesive	Peel adhesion* (N/25mm)	Application	Features & Benefits
G200	50	No carrier / Acrylic	15	Overlap splicing, roll closing	Transfer film with high adhesion acrylic adhesive. Operating temperature: -40°C to +150°C (+200°C short term).
4450	40	No carrier / Acrylic	6.5	General purpose overlap splicing of paper and plastics	Transfer film with acrylic adhesive. Good heat and solvent resistance. Operating temperature: -40°C to +150°C (+200°C short term).
4456	40	No carrier / Acrylic	6.5	Similar use to 4450	Tape gun version of 4450. Easy to apply.
4493	90	No carrier / Mod Acrylic	17.25	Heavy duty splicing	Used where a greater adhesive mass is required. Modified acrylic for better adhesion onto low energy surfaces. Operating temperature: -40°C to +110°C.
4494	90	No carrier / Mod Acrylic	17.25	Similar use to 4493	Same as 4493 but in reverse wound format. Tape gun version of 4493.

**Peel adhesion is measured at 180° to the surface on the stainless steel*

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