

Uncoated Abrasive Belt Splicing Tapes

Uncoated tapes are pre-primed to obtain maximum bond strength when using a thermosetting adhesive. The standard products consist of polyester film reinforced with polyester yarns. Below is listed our standard product line with suggested applications.

T1930	T1880	T1882	T1884	T1886	T1878
Yellow (YL-UNC)	Pink (PK -UNC)	White (WH-UNC)	Blue (BL-UNC)	Green (GR-UNC)	Woven (FABRE)
Paper Fine Grit J & X Wt. Paper/Poly	120 grit and finer	120 grit to 60 grit	100-40 grit high flex	60 grit and coarser	Air Tools & Non-Woven Abrasives



SPECIFICATION

Model Number	Tape Thickness (Max.)		Tensile Strength (Min.)		Application Notes
	Metric	English	Metric	English	
T1930	0.069 mm	0.0027"	175 N/cm	100 lbs./in.	ultra-thin, replace lap, J-Weight
T1880	0.094 mm	0.0037"	290 N/cm	165 lbs./in.	thin, versatile, highest flex
T1882	0.145 mm	0.0057"	402 N/cm	230 lbs./in.	most versatile, strength & flex
T1884	0.185 mm	0.0073"	542 N/cm	310 lbs./in.	high flex & tensile, uniform thickness
T1886	0.239 mm	0.0094"	595 N/cm	340 lbs./in.	strong abrasion and hinge resistant
T1878	0.198 mm	0.0078"	392 N/cm	224 lbs./in.	air tools, surface conditioning

Standard Bias Angle: 55°, 67°, 75° (reverse angles indicated by the letter "R" after model number)

Standard Roll Widths: 19 mm (¾") and 25.4 mm (1")

Standard Roll Lengths: 100 meter, (200 meter available)

NOTE: Please consult Customer Support for complete details about our products.



BELT MAKING PROCEDURE

SPLICE PREPARATION

1. Cut belts to desired angle.
2. Abrade ends with wire brush, sandblast, etc.
3. Apply adhesive to both belt ends and the yarn side of the splicing tape.

SUGGESTED ADHESIVE PREPARATION

	Adhesive Formulation	Weight	Volume
Resin:	Sheldahl® Brand Adhesives	100 parts by weight at 20% solids	100 volumes
Curing Agent:	NE-S	9-11 parts by weights	8 - 10 volumes

NOTE: Adhesive can be applied using a roller coater or brush and is compatible with spray equipment when diluted. Allow adhesive to dry at room temperature for 10-20 minutes or 4 to 6 minutes at 66°C (150°F).

RECOMMENDED COATING GAP

Product Type	Coating Gap
T1880, T1882, T1878	300-400 microns plus tape thickness
T1884 and T1886	550-650 microns plus tape thickness

Allow adhesive to dry at room temperature for 20-40 minutes.

PRESSING

Place pre-tacked belt in bonding press with a release sheet/press pad configuration to prevent bonding to the heated bars.

Press Cycle	Metric	English
Temperature:	40°C to 60°C	104°F to 140°F
Pressure:	140 to 210 kgf/sq. cm.	2000 to 3000 PSI
Time:	10 seconds	10 seconds

Adhesive open time is dependent upon coating thickness, press temperature and room environment.

ADHESIVE/CURING AGENT OR HARDNERS

Sheldahl® Brand Adhesives (See [PB-1000](#)) and Curative NE-S.

Product data is for information only and may vary dependent on individual products and processes.

Sheldahl does not guarantee, nor will it accept obligation or liability based on the use of this data. All data is subject to change without notice.