Adhesive Tape Systems

Tape Solutions for the

Paper Production and Processing Industry

Engineered to Perform Better™

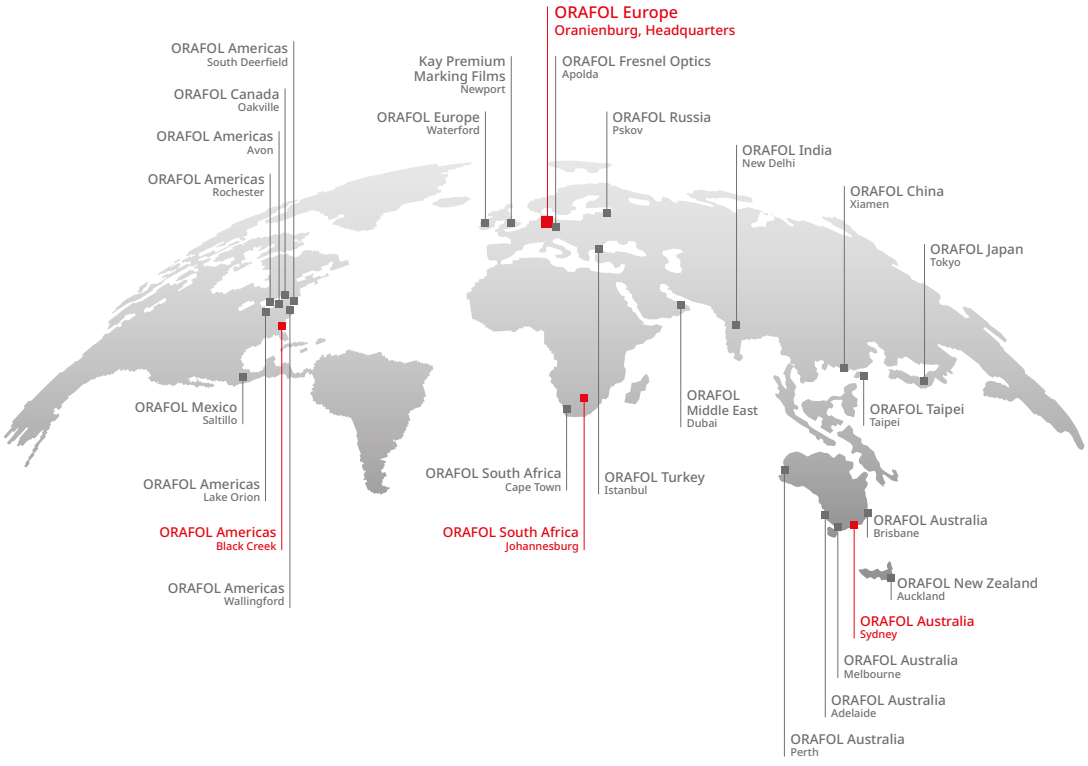
ORAFOL

ORAFOL Europe GmbH

Headquarters and production facility

ORAFOL is one of the world's leading manufacturers of adhesive tape systems, innovative self-adhesive graphic films and reflective materials. The international ORAFOL GROUP is headquartered just outside the city gates of Berlin, in Oranienburg.

ORAFOL's Worldwide Locations



Tape Solutions for the Paper Production and Processing Industry

ORAFOL Europe GmbH offers a truly comprehensive range of technical adhesive tapes for the paper and printing industry including double-sided and single-sided repulpable tapes, non-repulpable tapes and silicone splice tapes.

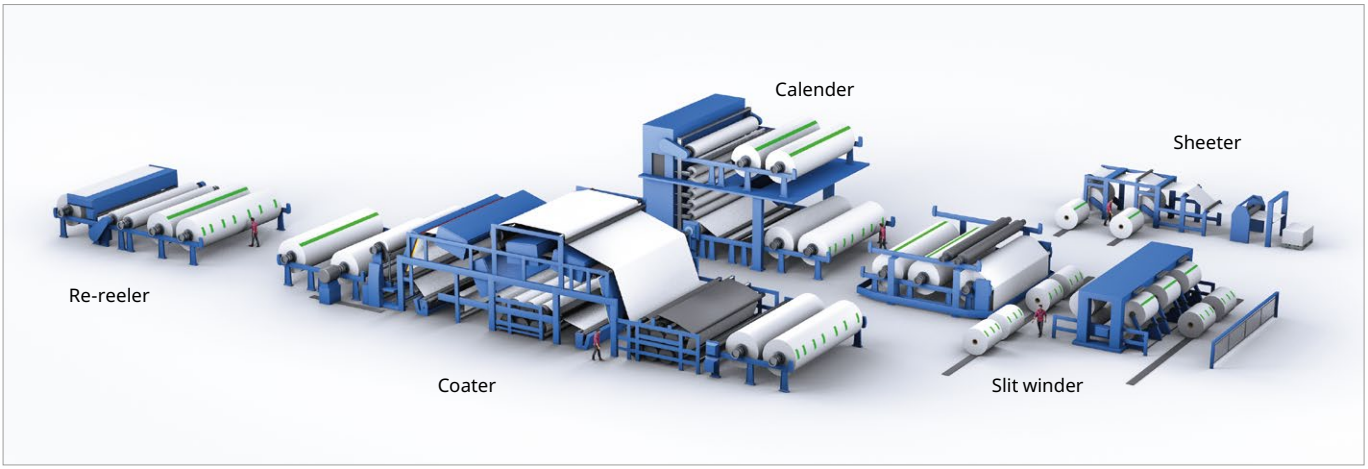
Made in Germany.

6-7 **ORAFIX® Double-sided & Single-sided repulpable tapes**

8-9 **ORABOND® Non-repulpable tapes**

8-9 **ORAFIX® Silicone splice tapes**

10-11 **Prime applications**



Repulpable Tapes for Paper and Pulp Industry

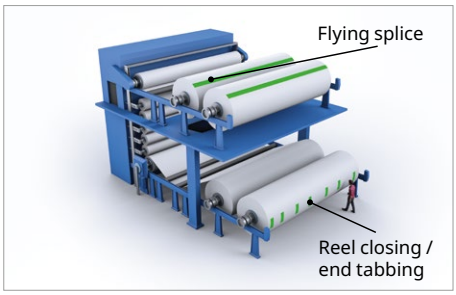
ORAFOL offers a wide range of repulpable splicing tapes for pulp and paper mill industry. The marked proven tapes guarantee secure and reliable splicing performance, no matter what temperatures, widths, machine speeds or web tensions are used. The FDA compliant adhesives used on ORAFIX® repulpable splicing tapes have high tack and shear strength, fast water re-solubility and offer proven repulpability.

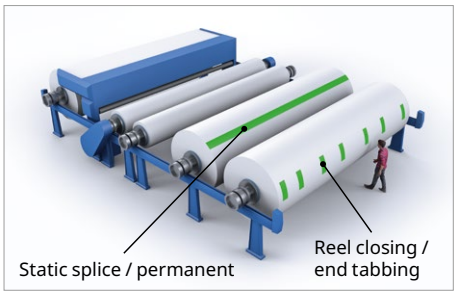
ORAFIX® repulpable splicing tapes are designed for every stage in paper making and paper processing, e.g. static and flying splice at calenders, re-reelers, printers, coaters, as well as for core starting and end tabbing. ORAFIX® repulpable splicing tapes are available in green adhesive colour as 1290-series or with transparent adhesives as 1280-series. For wasteless production, 1260-series offers repulpable liner.

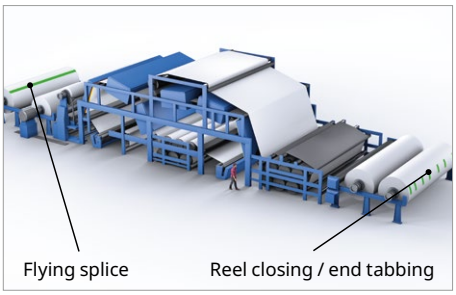
Benefits of ORAFIX® splicing tapes

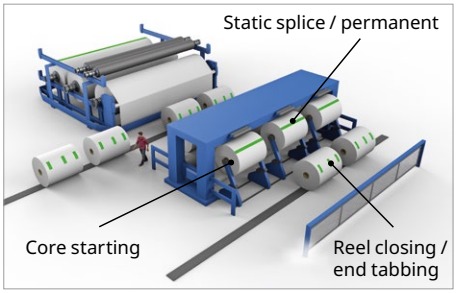
- Secure and reliable splicing performance, at all temperatures and environmental conditions
- Proven repulpability according to TAPPI UM 213 over full pH-range
- Faster water re-solubility of the adhesive layer
- Long lasting tackiness at prepared rolls
- FDA Certification* available for all products
- Repulpable liner versions for wasteless production available

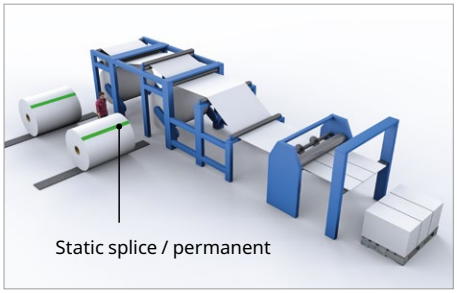
* All adhesives are compliant with Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I, §175.105











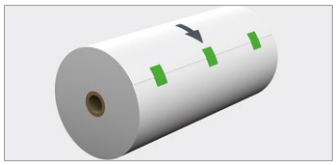
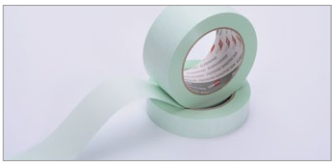
Contact ORAFOL for details.
adhesive.tapes@orafol.de

Repulpable Tapes for Paper and Pulp Industry

ORAFIX® tapes offer reliable adhesion and shear strength for secure reel closing or end tabbing without popping off.

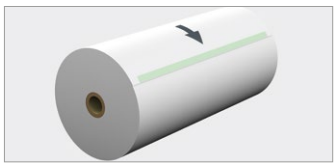
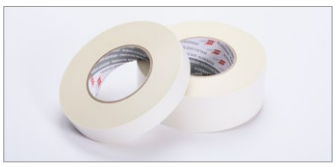
Reel closing / tabbing

End tabbing

- **1295** for thin or lightweight paper
- **1296** for most paper grades
- **1297** for heavy or rough paper
- **1299** "creped" paper backing compensates dimensional changes in the paper reel

Reel closing

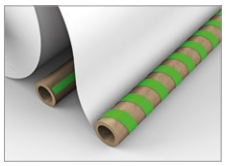



- **1288** splittable carrier for secure roll closing and easy opening
- **12885** splittable carrier for secure roll closing and easy opening for thick and bend-proof paper / board.

ORAFIX® tapes with slip resistant, high tack adhesives for core starting.

Core starting

Double sided tape



- **1288** splittable carrier, cores are reusable without cleaning
- **12885** splittable carrier, cores are reusable without cleaning, for thick and bend-proof paper / board
- **1282** transfer tape for automatic application
- **1293** thin tape for most paper grades

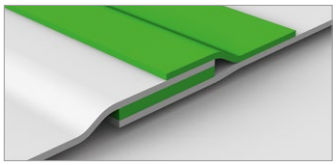
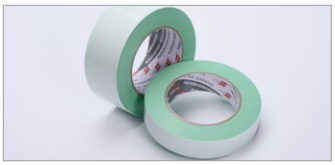
Single sided tape

- **1294** for most paper grades
- **1296** for most paper grades
- **1297** for rough or heavy paper

ORAFIX® tapes are the best choice for secure processing without adhesive bleeding and with strong shear resistance.

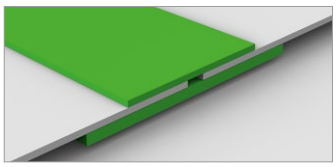
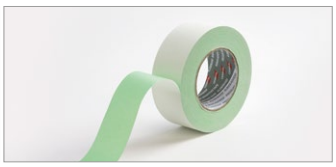
Permanent / static splice

Overlap splice products

- **1260** stiff carrier prevents tape from twisting even on wide paper reels, repulpable liner
- **1290** for permanent splices of most paper grades
- **1293** thin tape for reliable splices
- **1282** for thin or lightweight paper

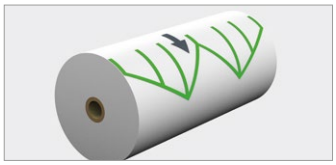
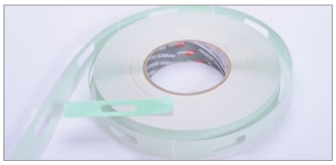
Butt splice products

- **1294** the standard tape for butt splicing
- **1295** as cover tape, for lightweight paper
- **1296** for most paper grades
- **1297** for rough or heavy paper, high tensile strength

ORAFIX® double sided tapes are ideal for permanent overlap splicing of coated and uncoated papers.

Flying splice

- **1260** for flying splice with repulpable liner
- **1290** for flying splices of most paper grades
- **1291** for high speed flying splices of heavy or rough paper
- **1293** for high speed flying splices of most paper grades
- **1294BF** "Butterfly" tabs for top sheet fixing

ORAFIX® Double-sided repulpable tapes

Product	Application	Carrier	Colour	Thickness (micron)
ORAFIX® 1290 FDA	Permanent splices	Tissue paper	green	90
ORAFIX® 1291	Flying splices	Tissue paper	green	100
ORAFIX® 1281 FDA			white	
ORAFIX® 1293	Flying splices or core starting of lightweight papers	Tissue paper	green	60
ORAFIX® 1283 FDA			white	
ORAFIX® 1260 FDA	Permanent splices	Paper	white	130
ORAFIX® 1262 FDA	Flying splices or core starting	Paper	green	130
ORAFIX® 1282 FDA	Core starting, reel closing, static splicing of thin papers, Automatic application	none	white	30
ORAFIX® 1288 FDA	Core starting, reel closing	Splittable paper	white	180
ORAFIX® 12885 FDA	Core starting, reel closing of thick and bend-proof paper / board	Splittable paper	white	200

ORAFIX® Single-sided repulpable tapes

Product	Application	Carrier	Colour	Thickness (micron)
ORAFIX® 1294 FDA	Butt splices, core starting	Paper	green	110
ORAFIX® 1295 FDA	Butt splices, cover tape or end tabbing of lightweight papers	Paper	green	55
ORAFIX® 1296	Butt splices, core starting or end tabbing	Paper	green	100
ORAFIX® 1286 FDA			white	
ORAFIX® 1297 FDA	Butt splices, core starting or end tabbing for heavy or rough paper	Paper	green	190
ORAFIX® 129702 FDA	Butt splices or end tabbing for heavy or rough paper / cardboard	Paper, brown	green	190
ORAFIX® 1299 FDA	End tabbing	Paper, creped	green	125
ORAFIX® 1294BF FDA	Butterfly tabs for top sheet fixing at flying splices	Paper	green	110

Features	Heat resistance	**Tack** (1 = low, 4 = high)	Adhesive
-	up to 200° C	2	RA 3
-	up to 200° C	4	RA 2
			RA 4
-	up to 200° C	3	RA 2
			RA 4
Repulpable liner	up to 200° C	2	RA 5
Repulpable liner	up to 200° C	4	RA 2
Transfer tape	up to 200° C	3	RA 4
Splittable paper carrier	up to 200° C	4	RA 4
Splittable paper carrier	up to 200° C	4	RA 4

Features	Heat resistance	**Tack** (1 = low, 4 = high)	Adhesive
Printable and coatable backside	up to 200° C	4	RA 2
Printable and coatable backside	up to 200° C	4	RA 2
Without liner	up to 200° C	4	RA 2
			RA 4
High tear resistance Without liner	up to 200° C	4	RA 2
Brown backing Without liner	up to 200° C	4	RA 2
High elongation Without liner	up to 200° C	3	RA 2
Butterfly die-cuts, based on 1294	up to 200° C	4	RA 2

ORABOND® Non-repulpable tapes

Product	Application	Carrier	Colour	Thickness (micron)
ORABOND® 1346 FDA	Splicing of paper, cardboard and film	Tissue paper	translucent	110
ORABOND® 1459 FDA	Splicing of PE coated paper, film and cloth	Tissue paper	translucent	140
ORABOND® 1301 FDA	Splicing of paper with optical detection	Tissue paper	red	90
ORABOND® 1396 FDA	Splicing at high temperatures	Tissue paper	translucent	130
ORABOND® 1397PP FDA	Splicing tape with extreme shear resistance	PET film	translucent	210

ORAFIX® Silicone splice tapes

Product	Application	Carrier	Colour	Thickness (micron)	
ORAFIX® 1206	Butt splices, core starting or end tabbing of siliconised papers and materials	PET film	transparent	90	
ORAFIX® 120705	Butt splices, core starting or end tabbing of siliconised papers and materials with optical detection	PET film	green	90	
ORAFIX® 1305	Butt splices, core starting or end tabbing of siliconised papers and materials	PET film	transparent	60	

	Features	Heat resistance	**Tack** (1 = low, 4 = high)	Adhesive
	Hand tearable	+100° C	4	AD 3
	Hand tearable	+70° C	4	SR 5
	Hand tearable with optical splice detection	+140° C	4	AM 7
	Hand tearable	+140° C	4	AM 2
	Extreme shear resistance, tear resistant PP liner	+160° C	4	AM 2

	Features	Heat resistance	**Tack** (1 = low, 4 = high)	Adhesive
	Without liner No backside siliconisation	up to 180 °C	3	Sil
	Without liner No backside siliconisation Optical detection	up to 180 °C	3	Sil
	Siliconised backside Crepped liner	up to 180 °C	4	Sil

Prime applications

	ORAFIX® Double-sided Splice Tapes									
Application type	**1260**	**1262**	**1290**	**1291** green **1281** white	**1293** green **1283** white	**1282**	**1288** splittable	**12885** splittable	**1294**	**1295** green
Static splice / permanent	•		•		•	•			•	•
Flying splice	•	•	•	•	•					
Core starting		•			•	•	•	•	•	
End tabbing										•
Reel closing						•	•	•		
Optical detection								•		
Heavy duty										
Splicing of newsprint paper	•	•	•	•	•	•			•	•
Splicing of paper	•	•	•	•	•	•			•	•
Splicing of cardboard										
Splicing of film / aluminium										
Splicing of PE coated paper										
Splicing of siliconised paper and film										

Adhesives

Name	Type	Properties & Features
AM 2	Modified solvent acrylic	High shear, high tack adhesive with excellent balance of properties for use in high performance bonding applications. This product features good adhesion to low surface energy plastics.
AM 7	Modified solvent acrylic	High shear and high tack adhesive with good temperature performance for paper and board splicing. The adhesive is coloured red for visual splicing applications.
AD 3	Modified dispersion acrylate	General purpose medium tack adhesive with good ageing performance on EPDM and other critical foams.
RA 2	Repulpable modified acrylate	Green Repulpable adhesive with good shear and temperature performance for paper and board splicing. Meets TAPPI requirements.
RA 3	Repulpable modified acrylate	Drier version of RA 2 in green to avoid bleeding problems. Meets TAPPI requirements.
RA 4	Repulpable modified acrylate	Repulpable adhesive with good shear and temperature performance for paper and board splicing. Meets TAPPI requirements.
RA 5	Repulpable modified acrylate	Drier version of RA 4 to avoid bleeding problems. Meets TAPPI requirements.
Sil	Silicone	Adhesive with good adhesion to siliconised surfaces.
SR 5	Synthetic rubber	General purpose high tack adhesive for splicing and lamination applications.

ORAFIX® Single-sided Splice Tapes					ORAFIX® Silicone Splice Tapes			ORABOND® Non-repulpable Tapes				
1296 green **1286** white	**1297**	**129702**	**1299** green	**1294BF**	**1206**	**120705**	**1305**	**1346**	**1459**	**1301**	**1396**	**1397PP**
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Find out more about our products at:
www.orafol.com · www.orafoleurope.com

MANAGEMENT SYSTEM CERTIFICATION
DNV
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