



Adhesive Tape Systems

Tape Solutions for the Paper Production and Processing Industry

ORAFIX®
ORABOND®

Engineered to Perform Better™





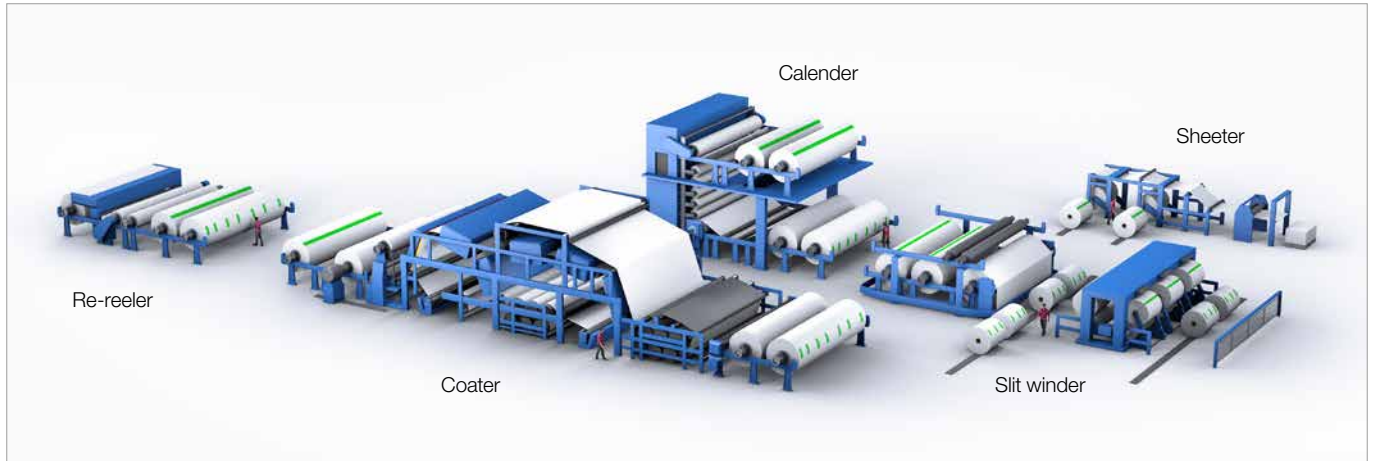
Tape Solutions for the Paper Production and Processing Industry

Find the right solution for your needs

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.

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Repulpable Tapes for Paper and Pulp Industry



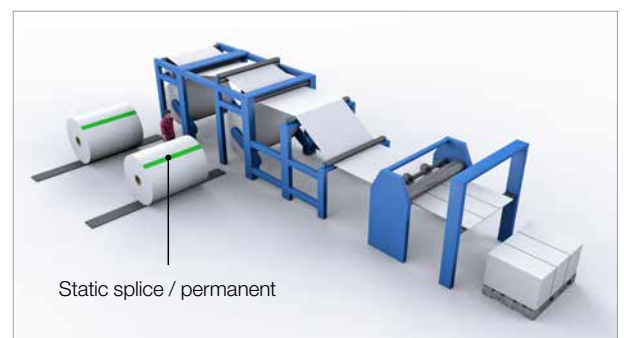
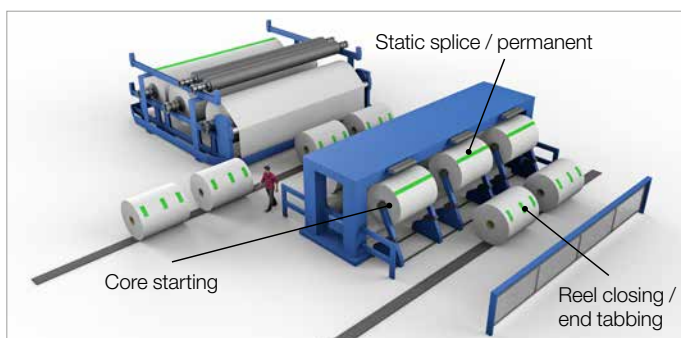
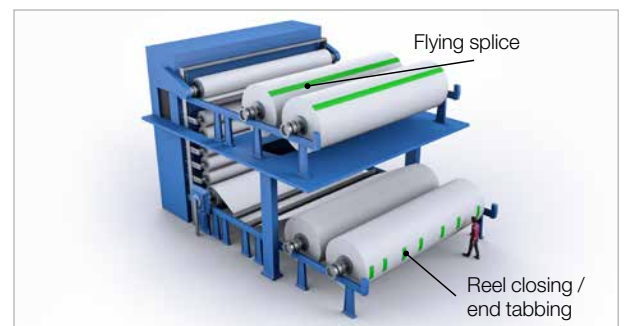
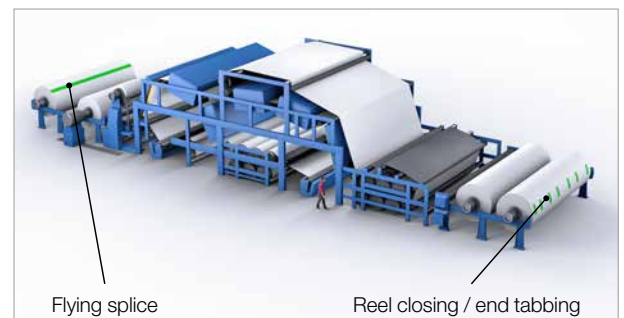
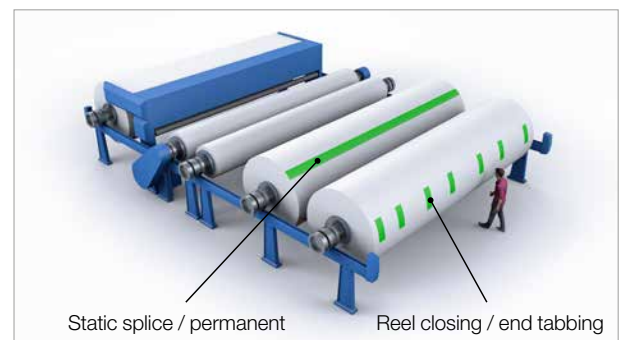
ORAFOL offers a wide range of repulpable splicing tapes for pulp and paper mill industry. The marked proven tapes guarantee secure and reliable splicing performance, no matter what temperatures, widths, machine speeds or web tensions are used. The FDA compliant adhesives used on ORAFIX® repulpable splicing 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, etc., for core starting and end tabbing as well as for „Quick Splice“ application. 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



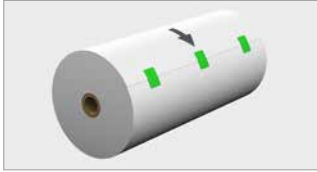
Repulpable Tapes for Paper and Pulp Industry

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

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

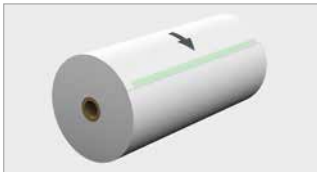
Reel closing / tabbing

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

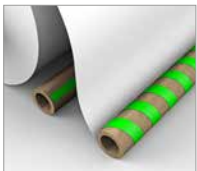


- **1288** splittable carrier for secure roll closing and easy opening
- **1258** splittable carrier for secure roll closing and easy opening for lightweight paper
- **12885** splittable carrier for secure roll closing and easy opening for thick and bend-proof paper / board.

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

Core starting

Double sided tape



- **1258** splittable carrier, cores are reusable without cleaning, for lightweight paper
- **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

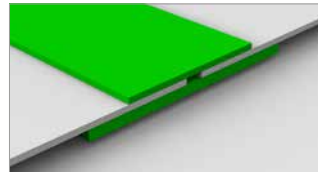
Permanent / static splice

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
- **1294SL** slit liner for easy application
- **1295** as cover tape, for lightweight paper
- **1296** for most paper grades
- **1297** for rough or heavy paper, high tensile strength

ORAFIX® Quick Splice tapes are designed for quick and easy roll preparation as well as reliable splicing performance at highest speeds. ORAFIX® double sided tapes are ideal for permanent overlap splicing of coated and uncoated papers.

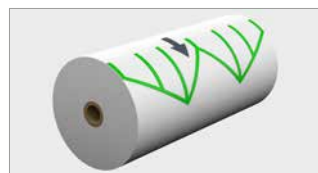
Flying splice

Quick splice products



- **1250QS** for high speed splicing
- **1251QS** black adhesive for optional detection
- **1490QS** non-repulpable, red adhesive for optical detection

Traditional pattern



- **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

Double-sided repulpable tapes

Product	Application	Carrier	Colour	Thickness (micron)
ORAFIX® 1290 FDA	Permanent splices	Tissue paper	green	90
ORAFIX® 1291 ORAFIX® 1281 FDA	Flying splices	Tissue paper	green	100
			white	
ORAFIX® 1293 ORAFIX® 1283 FDA	Flying splices or core starting of lightweight papers	Tissue paper	green	60
			white	
ORAFIX® 1260 FDA	Permanent splices	Paper	white	130
ORAFIX® 1261 FDA	Flying splices	Tissue paper	green	100
ORAFIX® 1263 FDA	Flying splices or core starting of lightweight papers	Tissue paper	green	60
ORAFIX® 1282 FDA	Core starting, reel closing, static splicing of thin papers, Automatic application	none	white	30
ORAFIX® 1258 FDA	Core starting, reel closing	Splittable paper	white	220
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



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
Repulpable liner	up to 200° C	3	RA 2
Transfer tape	up to 200° C	3	RA 4
Low opening force	up to 200° C	4	RA 5
High opening force	up to 200° C	4	RA 4
High opening force	up to 200° C	4	RA 4

Single-sided repulpable tapes

Product	Application	Carrier	Colour	Thickness (micron)
ORAFIX® 1294 	Butt splices, core starting	Paper	green	110
ORAFIX® 129408 	Butt splices with optical detection	Paper	black	110
ORAFIX® 1295 ORAFIX® 1285 	Butt splices, cover tape or end tabbing of lightweight papers	Paper	green	55
			white	
ORAFIX® 1296 ORAFIX® 1286 	Butt splices, core starting or end tabbing	Paper	green	100
			white	
ORAFIX® 1297 	Butt splices, core starting or end tabbing for heavy or rough paper	Paper	green	190
ORAFIX® 129702 	Butt splices or end tabbing for heavy or rough paper / cardboard	Paper, brown	green	190
ORAFIX® 1299 ORAFIX® 1289 	End tabbing	Paper, creped	green	125
			white	
ORAFIX® 1294SL 	Butt splices, core starting	Paper	green	110
ORAFIX® 1294BF 	Butterfly tabs for top sheet fixing at flying splices	Paper	green	110



Features	Heat resistance	Tack (1 = low, 4 = high)	Adhesive
Printable and coatable backside	up to 200° C	4	RA 2
Optical splice detection Printable and coatable backside	up to 200° C	4	RA 10
Printable and coatable backside	up to 200° C	4	RA 2
			RA 4
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
			RA 4
Center slit liner Printable and coatable backside	up to 200° C	4	RA 2
Butterfly die-cuts, based on 1294	up to 200° C	4	RA 2

ORAFIX®

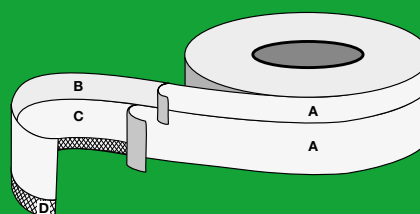
Quick Splice Tapes



The innovative design of ORAFIX® 1250QS offers “Quick Splice” preparation combined with secure roll closure during high speed splicing operations, thus avoiding problems such as pre-opening of the splice and air traps in the rolls.

- Easy to use, with reduced risk of any splice failures
- Quick splice preparation
- No need for speed reduction
- No risk of air pockets caused by acceleration
- Eliminates the need for splicing tabs
- Available roll sizes: 38 mm x 33 m, 50 mm x 33 m, 63 mm x 33 m, 75 mm x 33 m

A = Release liner B = Reel closing adhesive
C = Flying splice adhesive D = Splittable strip



Product	Application	Carrier	Colour	Thickness (micron)
ORAFIX® 1250QS 	Flying splices	Paper	green	110
ORAFIX® 1251QS 	Flying splices with optical detection	Paper	black	110
ORAFIX® 1490QS 	Flying splices with optical detection for paper printing industry	Paper	red	120

Performance Characteristics - Quick Splice Tapes

Easy steps to a perfect quick splice:

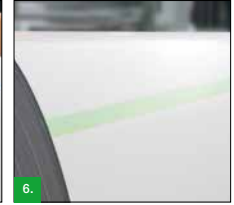


Figure 1 + 2:
Apply the tape under the top layer of the paper roll.
Remove the upper part of the liner to expose the adhesive.

Figure 3:
Attach the paper top layer
onto the exposed adhesive
part of the tape.

Figure 4:
Fold back and remove
excess paper tail.

Figure 5 + 6:
Remove the lower part of the liner from the tape before
accelerating the reel.



Features	Heat resistance	Tack (1 = low, 4 = high)	Adhesive
Quick splice preparation, repulpable Roll closing by integrated splittable strip For machine speeds up to 1600 m/min	up to 200° C	4	RA 3
Quick splice preparation with optical splice detection, repulpable Roll closing by integrated splittable strip For machine speeds up to 1600 m/min	up to 200° C	4	RA 10
Non-repulpable Quick splice preparation with optical splice detection Roll closing by integrated splittable strip For machine speeds up to 1600 m/min	up to 200° C	4	AM 17

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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® 1259 FDA	Core starting, reel closing	Splittable paper	white	220
ORABOND® 1301 FDA	Splicing of paper with optical detection	Tissue paper	red	90
ORABOND® 1396LT FDA	Splicing at high temperatures	Tissue paper	translucent	90
ORABOND® 1396TM 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
Low opening force	up to 200° C	4	AM 2
Hand tearable with optical splice detection	+140° C	4	AM 7
Hand tearable	+140° C	4	AM 2
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

Application type	ORAFIX® Double Sided Splice Tapes								ORAFIX® Single Sided Splice Tapes					
	1260	1290	1291 green 1281 white 1261 repulpable liner	1293 green 1283 white 1263 repulpable liner	1282	1258 splittable	1288 splittable	12885 splittable	1294	1294SL	129408	1295 green 1285 white	1296 green 1286 white	
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.
AM 17	Modified solvent acrylic	High shear, high tack adhesive with excellent balance of properties for use in high performance splicing applications. 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	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 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.
RA 10	Repulpable modified acrylate	Black version of RA 3. 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.

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Single Sided Splice Tapes

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Quick Splice Tapes

ORAFIX®

Silicone Splice Tapes

ORABOND®

Non-repulpable Tapes

	1297	129702	1299 green 1289 white	1294BF	1250QS	1251QS	1490QS	1206	120705	1305	1346	1459	1259 splittable	1301	1396LT	1396TM	1397PP
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