



ORAFIX[®] Solutions for the Paper and Printing Industry

Adhesive Tapes Division

ORAFIX[®]
ORABOND[®]

Engineered to Perform Better™



ORAFOL's headquarters

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Located just outside of Berlin in the heart of Europe, the ORAFOL Europe GmbH headquarters is the hub of the organisation's culture of leadership and excellence.



Tape Solutions for the Paper and Printing 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.

Page	List of contents
4 / 5	ORAFIX® Double-sided repulpable tapes
6 / 7	ORAFIX® Single-sided repulpable tapes
8 / 9	ORAFIX® Special products repulpable tapes
8 / 9	ORABOND® Non-repulpable tapes
10 / 11	ORAFIX® Silicone splice tapes
10 / 11	Prime applications

ORAFIX®

Double-sided repulpable tapes

Product	Adhesive	Carrier	Colour	Liner	Thickness (micron)	Adhesion (N/25 mm) (FINAT TM 1) Peel on copy paper		
						1 min.	20 min.	
With carrier	ORAFIX® 1260 NEW FDA	RA 5	Paper White Repulpable 50 g/m ²	White	Siliconised paper White Repulpable 90 g/m ²	130	6	8
	ORAFIX® 1260BL NEW	RA 9	Paper White Repulpable 50 g/m ²	Blue	Siliconised paper White Repulpable 90 g/m ²	130	6	8
	ORAFIX® 1290 FDA	RA 3	Soft tissue paper Repulpable	Green	90 g Siliconised paper White	90	8	10
	ORAFIX® 1291 FDA	RA 2	Tissue paper Repulpable	Green	90 g Siliconised paper White	100	10	11
	ORAFIX® 1281 FDA	RA 4	Tissue paper Repulpable	White	90 g Siliconised paper White	100	10	11
	ORAFIX® 1293 FDA	RA 2	Soft tissue paper Repulpable	Green	90 g Siliconised paper White	60	6	7
	ORAFIX® 1283 FDA	RA 4	Soft tissue paper Repulpable	White	90 g Siliconised paper White	60	6	7
	ORAFIX® 1273 FDA	RA 3	Soft tissue paper Repulpable	Green	90 g Siliconised paper White	60	5	6
	Without carrier	ORAFIX® 1282LT FDA	RA 4	No carrier	Colourless	90 g Siliconised paper White	30	6



Loop tack (N/25 mm) (FINAT TM 9)	Temperature resistance	Construction and applications
8	up to 200° C	For flying splice applications. High tack and temperature resistance. This product features a fully repulpable release liner. FDA certificate.
8	up to 200° C	For flying splice applications. High tack and temperature resistance. This product features a fully repulpable release liner.
8	up to 200° C	For flying and manual splice roll changes, especially for high speed applications. FDA certificate.
14	up to 200° C	For flying splice applications. High tack and temperature resistance. FDA certificate.
14	up to 200° C	For flying splice applications with invisible splice. High tack and temperature resistance. FDA certificate.
10	up to 200° C	For flying splice applications for lightweight papers. High tack and a good temperature resistance. FDA certificate.
10	up to 200° C	For flying splice applications for lightweight papers with invisible splice. High tack and temperature resistance. FDA certificate.
8	up to 200° C	For static splices. Particularly good for overlapping splices. FDA certificate.
	up to 200° C	Ideal for extremely thin splicing in LWC paper applications. FDA certificate.

ORAFIX®

Single-sided repulpable tapes

	Product	Adhesive	Carrier	Colour	Liner	Thickness (micron)	Adhesion (N/25 mm) (FINAT TM 1) Peel on copy paper	
							1 min.	20 min.
With liner	ORAFIX® 1294 FDA	RA 2	Paper White Repulpable 70 g/m ²	Green	90 g Siliconised paper White	110	11	15
	ORAFIX® 1295 FDA	RA 2	Paper White Repulpable 30 g/m ²	Green	65 g Siliconised paper White	55	4	6
	ORAFIX® 1285 NEW FDA	RA 4	Paper White Repulpable 30 g/m ²	White	65 g Siliconised paper White	55	4	6
Without liner	ORAFIX® 1296 FDA	RA 2	One side siliconised paper White Repulpable 70 g/m ²	Green	Without	100	7	8
	ORAFIX® 1286 FDA	RA 4	One side siliconised paper White Repulpable 70 g/m ²	White	Without	100	7	8
	ORAFIX® 1276 FDA	RA 3	One side siliconised paper White Repulpable 70 g/m ²	Green	Without	100	6	7
	ORAFIX® 1297 FDA	RA 2	One side siliconised paper White Repulpable 115 g/m ²	Green	Without	190	14	16
	ORAFIX® 129702 NEW FDA	RA 2	One side siliconised paper Brown Repulpable 115 g/m ²	Green	Without	190	14	16
	ORAFIX® 1299 NEW FDA	RA 2	Special paper Repulpable Extensible 80 g/m ²	Green	Without	125	8	10



Loop tack (N/25 mm) (FINAT TM 9)	Tensile strength (N/25 mm) (DIN EN ISO 527)		Elongation (%) (DIN EN ISO 527)		Temperature resistance	Construction and applications
	along	across	along	across		
12	160	80	2	3.5	up to 200° C	For butt splices and roll closing of papers. With printable and coatable surface. FDA certificate.
10	25	13	2	2.5	up to 200° C	For butt splices and roll closing of papers. As security cover. With printable and coatable surface. FDA certificate.
10	25	13	2	2.5	up to 200° C	For butt splices and roll closing of papers. As security cover. With printable and coatable surface. FDA certificate.
12	160	80	2	3.5	up to 200° C	General purpose tape for roll closing of papers. As security cover. With printable and coatable surface. FDA certificate.
12	160	80	2	3.5	up to 200° C	General purpose tape for roll closing of papers with invisible splice. As security cover. With printable and coatable surface. FDA certificate.
10	160	80	2	3.5	up to 200° C	General purpose tape for manual splice roll changes and fixing of roll ends. Particularly where a high tear resistance is needed. High tack and excellent temperature resistance. FDA certificate.
13	210	100	8	5	up to 200° C	General purpose tape for manual splice roll changes and fixing of roll ends. Particularly where a high tear resistance is needed. High tack and a good temperature resistance. FDA certificate.
13	210	100	8	5	Up to 200° C	General purpose tape for manual splice roll changes and fixing of roll ends. Particularly where a high tear resistance is needed. High tack and a good temperature resistance. Brown colour allows use in craft board applications for less visible splicing. FDA certificate.
11	185	65	12	9	Up to 200° C	High tensile strength and high elongation. Makes this product very suitable for roll closing applications where shrinkage issues occur. For universal applications, manual splice roll changes and fixing of roll ends. FDA certificate.

ORAFIX®

Special products repulpable tapes

Product	Adhesive	Carrier	Colour	Liner	Thickness (micron)	Adhesion (N/25 mm) (FINAT TM 1) Peel on copy paper	
						1 min.	20 min.
ORAFIX® 1258 FDA	RA 5	Special paper Splittable Repulpable	White	90 g paper White	220	> 3*	> 3*
ORAFIX® 1288 FDA	RA 4	Special paper Splittable Repulpable	White	90 g paper White	180	5	> 5*
ORAFIX® 1297P FDA	RA 2	One side siliconised paper White, Reverse side printed with 50 mm black stripes for optical splice detection Repulpable 115 g/m ²	Green	Without	190	14	16
ORAFIX® 1294BF Butterfly tabs FDA	RA 2	Paper White Repulpable 70 g/m ²	Green	90 g paper White	110	11**	15**
ORAFIX® 1250QS Quick Splice	RA3	Paper White Repulpable 70 g/m ²	Green	Siliconised paper White 90 g/m ² ORAFOL imprint blue	110	9	11

*) Carrier splitting
**) Based on 1294

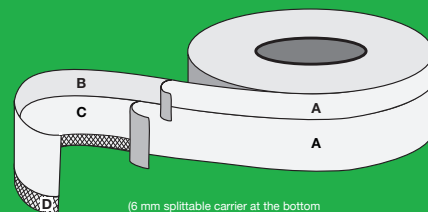
ORAFIX® Quick Splice Tapes



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 taps
- Available roll sizes: 38 mm x 50 m, 50 mm x 50 m, 65 mm x 50 m

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



(6 mm splittable carrier at the bottom
+ 6 mm over the edge of the carrier)



Loop tack (N/25 mm) (FINAT TM 9)	Tensile strength (N/25 mm) (DIN EN ISO 527)		Elongation (%) (DIN EN ISO 527)		Temperature resistance	Construction and applications
	along	across	along	across		
-	-	-	-	-	up to 200° C	Easy splittable carrier adhesive tape for core starting and end tabbing. FDA certificate.
4	-	-	-	-	up to 200° C	Splittable carrier adhesive tape for core starting and end tabbing. FDA certificate.
13	210	100	8	5	up to 200° C	General purpose tape for manual splice roll changes and fixing of roll ends. Particularly where a high tear resistance is needed. High tack and a good temperature resistance. FDA certificate.
12	-	-	-	-	up to 200° C	Butterflies, die-cut, based on ORAFIX® 1294. FDA certificate.
10	160	80	2	3.5	up to 200° C	ORAFIX® 1250QS (Quick Splice) is a new innovation in high performance splicing tapes, offering very high splice efficiency and performance in paper production and printing. The ORAFIX® 1250QS is available in width designed for both wide width paper coating machines, and for newspaper and magazine printing on both cold set and heat set processes. The innovative design of the ORAFIX® 1250QS offers "Quick Splice" preparation combined with secure roll closure during high speed splicing operations, therefore avoiding problems such as pre-opening of the splice and air traps in the rolls.

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.



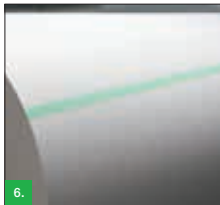
Figure 3: Attach the paper top layer onto the exposed adhesive part of the tape.



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.



Certificates:

The adhesive used for ORAFIX® 1250QS, RA3, meets the demands of the Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I (April 1, 2008 edition), § 175.105.



ORABOND®

Non-repulpable tapes

Product	Adhesive	Carrier	Colour	Liner	Thickness (micron)	Adhesion (N/25 mm) (FINAT TM 1) Peel on stainless steel	
						1 min.	20 min.
ORAFLEX® 1142	AD 3	Rayon, 12,7 g/m ²	Transparent	Brown paper, both sides coated with silicone, 90 g/m ²	310	13	15
ORABOND® 1346	AD 7	Paper tissue 12.7 g/m ²	Translucent	Brown paper, both sides coated with silicone, 90 g/m ²	110	16	18
ORABOND® 1459 FDA	SR 5	Paper tissue 12.7 g/m ²	Translucent	Brown paper, both sides coated with silicone, 80 g/m ²	140	19	20
ORABOND® 1396TM FDA	AM 2	Paper tissue 12.7 g/m ²	Translucent	White paper, both sides coated with silicone, 90 g/m ²	130	18	24
ORABOND® 1397PP FDA	AM 2	Polyester film 12 micron	Transparent	PP film, both sides coated with silicone, 80 micron	210	24	30
ORABOND® 1331	AM 1 / AM 5	Polyester film 12 micron	Transparent	Brown paper, both sides coated with silicone, 90 g/m ²	100	Open s.: 16 Covered s.: 1	Open s.: 18 Covered s.: 1.2
ORABOND® 1301 FDA	AM 7	Paper tissue 12.7 g/m ²	Red	Brown paper, both sides coated with silicone, 90 g/m ²	90	17	17
ORABOND® 1396LTTM NEW	AM 2	Paper tissue 12.7 g/m ²	Translucent	White paper, both sides coated with silicone, 90 g/m ²	90	17	18

ORAFIX®

Silicone splice tapes

Product	Adhesive	Carrier	Colour	Liner	Thickness (micron)	Adhesion (N/25 mm) (FINAT TM 1) Peel on stainless steel	
						1 min.	20 min.
ORAFIX® 1305	Sil	Polyester film 23 micron	Transparent	Hard PVC Crepped White	60	9	10
ORAFIX® 120705	Sil	Polyester film 36 micron	Green	-	90	3	5
ORAFIX® 1206 NEW	Sil	Polyester film 36 micron	Transparent	-	60	2	5



Loop tack (N/25 mm) (FINAT TM 9)	Temperature resistance	Construction and applications
15	-40° C to +80° C	Splicing of paper, cardboard and film.
15	-40° C to +100° C	Splicing of paper, cardboard and film.
13	-40° C to +70° C	Splicing of PE coated paper. FDA certificate.
28	-40° C to +140° C	Splicing at high temperatures. FDA certificate.
33	-40° C to +160° C	Splicing tape with extremely high shear resistance. Also available with brown liner as ORABOND® 1397. FDA certificate.
Open s.: 20 Covered s.: 3	-40° C to +120° C	Polyester tape with different adhesive sides for clean removability.
20	-40° C to +140° C *	Especially suitable in processes when visual splice is crucial. FDA certificate.
23	-40° C to +140° C	Ideal for general splicing of paper, board and films.

*) Momentary up to +160° C



Loop tack (N/25 mm) (FINAT TM 9)	Temperature resistance	Construction and applications
10	up to 180° C	Single sided splicing tape for siliconised papers and materials.
7	up to 180° C	Single sided splicing tape for siliconised papers and materials.
7	up to 180° C	Single sided splicing tape for siliconised papers and materials.

Prime applications

Application type	ORAFIX® Double Sided Splice Tapes							ORAFIX®							
	1282LT	1273	1281	1283	1290	1291	1293	1206	120705	1276	1285	1286	1294	1295	1296
High speed applications					•										
Flying splice roll changes			•		•	•									
Flying splice with invisible splice			•	•											
Flying splice for lightweight papers	•			•			•								
Manual splice roll changes					•	•				•					
Splice applications of thin papers		•		•			•				•			•	•
Core starting	•														•
Static splices	•	•													
Overlapping splices	•	•													
Butt splices											•		•	•	
Roll closing											•	•	•	•	•
Optical Splicing															
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 1	Modified solvent acrylic	Medium shear adhesive with excellent adhesion to most foams where plasticisers and other impregnates are used.
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 5	Modified solvent acrylic	Ultra removable adhesive with excellent no-build adhesion to most surfaces.
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	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.
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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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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