

Adhesive Tape Systems

Industrial Tapes

Adhesive Tapes
for Industry



Engineered to Perform Better™



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.

Industrial Tapes

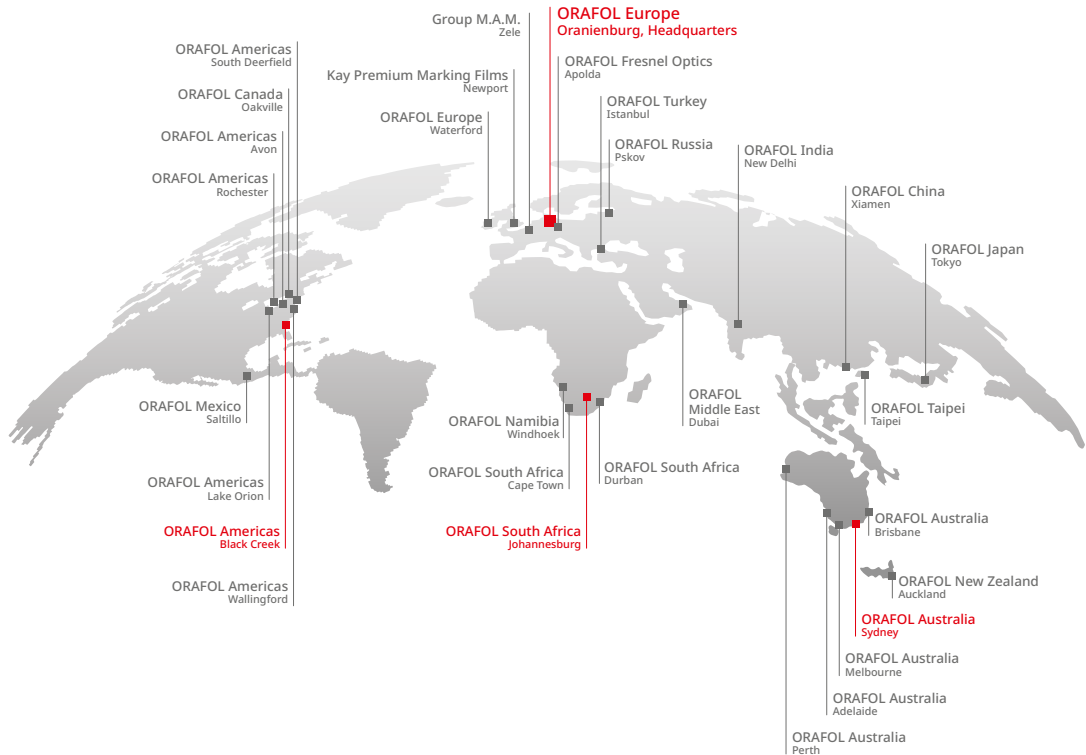
Find the right solution for your needs

The ORAFOL families of adhesive tapes are suitable for high performance applications in most industries with our main focus being automotive, electronics and mobile devices, white goods, furniture, plastics and trims as well as point of sale industries.







Made in Germany.

4-5	Transfer Tapes - Acrylic Adhesive
6-13	Double-sided Tapes - Acrylic Adhesive
14-15	Double-sided Tapes - Rubber Adhesive
16-19	Double-sided Foam Tapes
20	Guidelines

ORAFOL's Worldwide Locations



Transfer Tapes - Acrylic Adhesive

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Pure acrylic	ORABOND® 1375 1375S (Sheets) 	A7	without	60	100 g PE paper, brown	18	20	> 1000 h	> 72 h	11	-40 to +170° C	4	4	4	4	1	For the production of metal, polycarbonate and other plastic fascias, nameplates and decals; used for lamination of membrane switch assemblies and other electronic component mounting in mobile telephones and for other applications that require an extremely high shear strength and temperature resistance; UL 969 listed.
	ORABOND® 1377 1377S (Sheets) 	A7	without	120	100 g PE paper, brown	22	24	> 1000 h	> 72 h	13	-40 to +170° C	4	4	4	4	1	For the production of metal, polycarbonate and other plastic fascias, signs, nameplates and decals; used for lamination of membrane switch assemblies and other electronic component mounting in notebooks, mobile telephones and for other applications that require an extremely high shear strength and temperature resistance; UL 969 listed.
	ORABOND® 4005DT	A15	without	50	120g PE paper, white PP-film, transparent	9	12	> 1000 h	> 72 h		-40 bis +170° C	4	4	4	4	1	Self-adhesive finish for all types of signs, decorations, front panels and displays where very high shear and adhesion strength as well as temperature resistance are required.
Modified acrylic	ORABOND® 1325 	AM12	without	60	100 g PE paper, brown	22	25	> 500 h	> 10 h	21	-40 to +150° C	4	3	3	3	4	For low energy surface lamination: for foams and materials that require an extremely high shear, adhesive strength and temperature resistance, excellent resistance to UV radiation, extreme temperatures, chemicals, solvents and humidity. UL 969 listed.
	ORABOND® 1328 	AM12	without	120	100 g PE paper, brown	29	32	> 100 h	> 1 h	29	-40 to +150° C	4	3	3	3	4	The ideal bonding solution for low surface energy coatings and plastics. It offers a high initial adhesion, and works well also on rough, structured or stamped surfaces. It is the product of choice when working with polypropylene sheets, polycarbonate sheets and filled polypropylene. UL 969 listed.
	ORABOND® 1368WA 	AM3 glass fibre filled	without	50	100g PE-liner, white	22	27	> 400 h	> 6 h	20	-40 to +150° C	4	3	3	3	3	PVC & polyolefin foam lamination, leaded windows, metal and plastic name- plates and fascia panels, production of special labels and decals in electronic industries; for low energy surfaces.
	ORABOND® 1370 	AM3 glass fibre filled	without	90	90 g paper, brown	25	28	> 400 h	> 6 h	22	-40 to +150° C	4	3	3	3	4	Foam lamination, metal and plastic nameplates, security glazing tapes, decals in electronic industries; for rough surfaces.
Dispersion acrylic	ORABOND® AD10703	AD10	without	30	90g paper, yellow	14	24	8 h			-40 bis +70° C	4	2	2	3	4	Suitable for commercial and industrial bonding of textiles, wood, open-pore and impregnated foams, cellular polyethylene, soft PVC and other rough, open surfaces.
	ORABOND® AD16705	AD16	without	50	90g paper, yellow	20	24				-40 bis +120° C	4	3	2	4	2	Suitable for commercial and industrial bonding of textiles, wood, open-pore and impregnated foams, cellular polyethylene, soft PVC and other rough, open surfaces.
	ORABOND® AD17705	AD17	without	50	90g paper, yellow	24	26	10 h			-40 bis +120° C	4	2	3	3	2	Extremely flexible and especially suited for the adhesion to many substrates used in the automotive industry. Bonds effectively to wood, open-pore and impregnated foams, various LSWE surfaces, soft PVC and other rough, open surfaces. Due to its low fogging properties and low VOC content, the product is suitable for applications in the interior of passenger cabins.
	ORABOND® AD18710	AD18	without	100	90g paper, yellow	31	31	24 h	15 min		-40 bis +120° C	4	2	3	3	4	Extremely flexible and with an excellent repulsion resistance. Suitable for insulating and damping materials such as foams, nonwovens and textiles. Good for bonding various materials from slightly rough to smooth surfaces with high to low surface energy (e.g. textiles, wood, small-pored and impregnated foams, nonwovens, cellular polyethylene, soft PVC or polypropylene). Due to its low fogging properties and low VOC content, the product is suitable for applications in the interior of passenger cabins.

* 914 x 610 mm, 610 x 457 mm, 457 x 305 mm




Double-sided Tapes - Acrylic Adhesives

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Modified acrylic	ORABOND® 1194 FDA	AM10	57 micron PP	215	90 g paper, brown	25	28	> 600 h	> 10 h	28	-40 to +120° C	4	3	4	3	3	Cable trunking, furniture trim, general plastic component bonding and mounting, lamination of automotive mirrors, high temperature splicing.
	ORABOND® 1195 FDA	AM10	12 micron PET	130	90 g paper, brown	23	25	> 600 h	> 10 h	28	-40 to +160° C	4	4	4	3	3	Electronic applications, stamped parts, lamination of signs, covers, scales, metal and plastic films; recommended for lightly structured surfaces.
	ORABOND® 119508 FDA	AM10	12 micron PET, black	130	90 g paper, brown other: TM	23	25	> 600 h	> 10 h	28	-40 to +160° C	4	4	4	3	3	Electronics, mobile telephone gaskets.
	ORABOND® 1197 FDA	AM10	12 micron PET, white	210	90 g paper, brown	30	32	> 600 h	> 10 h	28	-40 to +160° C	4	4	4	3	3	Electronics, mobile telephone gaskets, high temperature splicing.
	ORABOND® 119708 FDA	AM10	12 micron PET, black	210	90 g paper, brown	30	32	> 600 h	> 10 h	28	-40 to +160° C	4	4	4	3	3	Electronics, mobile telephone gaskets, high temperature splicing.
	ORABOND® 1391PP FDA	AM2	12 micron PET	160	80 micron, PP film salmon	25	29	> 400 h	> 6 h	28	-40 to +160° C	4	4	4	3	4	PVC extrusions, furniture trims, splicing for high temperature operations, splicing of difficult materials, intermediate thickness version of 1397PP.
	ORABOND® 1392 FDA	AM2	38 micron hard PVC, white	260	90 g paper, brown other: TM	36	38	> 400 h	> 6 h	23	-40 to +70° C	4	2	4	3	4	Sign making, digital graphics mounting, extrusion applications, lamination of automotive mirrors and white goods components; for rough surfaces.
	ORABOND® 1393 FDA	AM2	100 micron soft PVC, white	270	90 g paper, brown	38	42	> 400 h	> 6 h	45	-40 to +80° C	4	2	4	3	4	Furniture trims, cable trunking, lamination of automotive mirrors; for rough surfaces.

Double-sided Tapes - Acrylic Adhesives

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Modified acrylic	ORABOND® 1395	AM2	12 micron PET	130	90 g paper, brown other: TM	24	28	> 400 h	> 6 h	38	-40 to +160° C	4	4	4	3	4	Sign boards, general fixing, sail making tapes, electronic component mounting, special labels; thinner version of 1397.
	ORABOND® 1396	AM2	Tissue	130	90 g paper, brown	24	28	> 400 h	> 6 h	28	-40 to +140° C	4	3	3	3	4	Foam lamination, sign boards, general fixing; for smooth or lightly porous surfaces, thinner version of ORABOND® 1399.
	ORABOND® 1397	AM2	12 micron PET	210	90 g paper, brown other: TM PP	30	35	> 400 h	> 6 h	33	-40 to +160° C	4	4	4	3	4	PVC extrusions, furniture trims, splicing for high temperature operations, splicing of difficult materials, lamination of automotive mirrors. PP version also for production of sails for sailboards.
	ORABOND® 1398	AM2	12 micron PET	70	90 g paper, brown	22	24	> 400 h	> 3 h	15	-40 to +160° C	4	4	4	3	3	Lamination of signs, covers, metal and plastic films, white goods component fixing, electronic products; for even surfaces.
	ORABOND® 1399	AM2	Tissue	190	90 g paper, brown other: TM	29	35	> 400 h	> 6 h	28	-40 to +140° C	4	3	3	3	4	High performance fixing, mounting of roller blinds, point of sale, foam lamination, splicing of difficult materials; for rough surfaces.
	ORABOND® 3417PP	AM2	12 µm PET	160	80µm, PP film, salmon	open side: 18 covered side: 24	open side: 19 covered side: 25	open side: 1000 h covered side: > 300 h	open side: > 6 h covered side: > 6 h		-40 bis +160°C	4	4	4	3	4	Bonding of all types of signs, decorations, front plates, displays, cloth and metals where high shear strength, strong adhesion and extreme temperature resistance is required. It has a high initial adhesion when attached to smooth surfaces.
	ORABOND® 3419PP	open side: AM09 covered side: AD07	23 µm PET	150	80µm, PP film, salmon	open side: 18 covered side: 10	open side: > 20 covered side: 11	open side: > 48 h covered side: > 72 h	open side: > 30 h covered side: > 72 h		-40 bis +120°C	open side: 4 covered side: 4	open side: 4 covered side: 2	open side: 4 covered side: 2	open side: 3 covered s ide: 2	open side: 3 covered side: 2	Especially suitable as self-adhesive medium for different materials. Ideal for situations where easy and residue-less removal is required.
	ORABOND® 1301	AM7 (red coloured modified acrylic)	Tissue	90	90 g paper, brown	17	17	-	> 72 h	22	-40 to +140° C	4	4	3	4	3	For splicing of paper and boards where there is a requirement for a visible splice or automatic splice detection using optical devices.

Double-sided Tapes - Acrylic Adhesives

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Modified acrylic	ORABOND® 1354N 	AD4	Tissue	180	90 g paper, brown	22	25	72 h	20 min	22	-40 to +120° C	4	3	3	3	3	For high performance foam lamination, lamination of paper or wood veneers to wood and MDF boards.
	ORABOND® 1331 	AM2 / AM5	12 micron PET	100	90 g paper, brown other: PP	open side: 18 covered side: 1.2	open side: 20 covered side: 1.5	open side: 48 h covered side: 500 h	open side: 1 h covered side: 72 h	open side: 10 covered side: 3	-40 to +120° C	4	2	2	3	2	Recommended for use where a permanent bond to the pri- mary substrate is required, with a “post-note” low tack bond to the other substrate (open side permanent bonding); for window protection pads and removable splicing; easy and residueless removal from covered side.
	ORABOND® 1333	A1 / AM6	12 micron PET	80	90 g paper, brown	open side: 11 covered side: 7	open side: 14 covered side: 8	open side: > 1000 h covered side: > 300 h	open side: 72 h covered side: > 72 h	open side: 10 covered side: 6	-40 to +120° C	4	2	4	4	1	Recommended for use where a permanent bond to the pri- mary substrate is required, with a medium tack temporary bond to the other substrate (open side permanent bonding); residueless removal from covered side.
	ORABOND® 1334	AM2 / AM6	12 micron PET	100	90 g paper, brown other: PP	open side: 18 covered side: 7	open side: 20 covered side: 8	open side: > 300 h covered side: > 300 h	open side: 72 h covered side: > 72 h	open side: 20 covered side: 6	-40 to +120° C	4	2	2	3	2	Especially suitable as a self-adhesive medium for different materials. Ideal for situations where residueless removal is required.
	ORABOND® 1336	AM2 / AM5	36 micron PET	120	90 g paper, brown	Open side: 18 covered side: 1.2	Open side: 20 covered side: 1.5	Open side: > 48 h covered side: > 500 h	Open side: > 1 h covered side: > 72 h	open side: 10 covered side: 3	-40 to +120° C	4	2	2	3	2	Special version of ORABOND® 1331. Intended use in label conversion of smart card and credit card applications. Easy and residueless removal from covered side.
Pure acrylic	ORABOND® 1389	A1	12 micron PET	70	90 g paper, brown	12	16	> 1000 h	> 72 h	8	-40 to +170° C	4	4	4	4	1	Lamination of digital printed signs, window roller blind attach- ment; recommended for thin materials with even surfaces.
Modified dispersion acrylic	ORAFLEX® 1142	AD1	Rayon	310	90 g paper, brown	15	17	10 h	5 min	10	-40 to +80° C	4	2	2	2	1	Mounting of blankets in offset printing, fixing of dry sand paper to grindstones, synthetic profiles and rubber mouldings; for rough and structured surfaces.
	ORABOND® 1346 	AD7	Tissue	110	90 g paper, brown	18	21	48 h	20 min	15	-40 to +100° C	4	2	2	2	2	Good APEO-free distributor grade used for multiple end ap- plications, rubber, leather, textile and foam lamination, splicing of paper, cardboard and film.
	ORABOND® 1348 	AD7	Tissue	100	90 g paper, brown other: TM	19	22	24 h	30 min	14	-40 to +120° C	4	2	2	2	2	APEO-free economy foam lamination product: for lamination of cellular rubber, small pore and impregnated foams, felt fabrics and other smooth and slightly rough surfaces; highly resistant against ageing and plasticisers.
	ORABOND® 1358 	AD7	Tissue	155	90 g paper, brown other: TM	22	25	72 h	75 min	17	-40 to +120° C	4	2	2	2	3	APEO free, for lamination of cellular rubber, open-pore and im- pregnated foams, felt-fabrics and other rough, open surfaces; highly resistant against ageing and plasticisers.
	ORABOND® 1358GI 	AD7	Scrim	230	90 g paper, brown	27	30	> 7 h	15 min	27	-40 to +140° C	4	2	2	2	3	Extremely flexible APEO free tape for lamination of cellular rubber and EPDM; also for textiles and wood, open-pore and impregnated foams, cellular PE, soft PVC and other rough, open surfaces. Suitable for applications where resistance to high temperatures, ageing and plasticisers are needed.

Double-sided Tapes - Acrylic Adhesives

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Modified dispersion acrylic	ORABOND® 1354N	AD4	Tissue	180	90 g paper, brown	22	25	72 h	20 min	22	-40 to +140° C	4	2	3	3	3	Foam lamination in refrigeration evaporator mounting; application in a broad temperature range.
	ORABOND® 1350GI	AD16	Scrim	230	90 g paper, brown	27	30	> 7 h	15 min.	27	-40 to +140° C	4	2	2	2	4	Adhesion of cellular rubber, textiles, wood, open-pore and impregnated foams, cellular polyethylene, soft PVC and other rough, open surfaces.
	ORABOND® 1359	AD16	Tissue	160	90 g paper, brown	25	27	> 72 h	30 min.	26	-40 to +140° C	4	2	2	2	2	For bonding of cellular rubber, textiles, wood, open-pore and impregnated foam, cellular PE, soft PVC and other rough and open surfaces.
	ORABOND® 13515	AD10	scrim	160	film liner, white	>30	>30	>5 h	-	27	-40 to +120°C	4	1	3	3	3	Extremely flexible tape for the construction industry: bonding of cellular rubber and EPDM as well as textiles, wood, open- pore and impregnated foams, cellular polyethylene, soft PVC and other rough, open surfaces.
	ORABOND® 13555W	AD10	PET film	150	140 g paper, white	>28	>28	>5 h	-	>25	-40 to +120°C	4	1	3	3	3	For the construction industry: bonding of concrete, wood, small-pore and impregnated foams, cellular polyethylene, soft PVC, other plastics, as well as smooth and slightly rough surfaces. The polyester carrier offers an additional barrier for plasticisers.
Disoersion acrylic	ORABOND® AD17212	AD17	Tissue	120	90g paper, yellow other: PP	32	32	> 14 h	20 min	-	-40 bis +140°C	4	4	3	3	3	Extremely flexible and especially suited for the adhesion to many substrates used in the automotive industry. Bonds effectively to wood, open-pore and impregnated foams, various LSWE surfaces, soft PVC and other rough, open surfaces. Due to its low fogging properties and low VOC content, the product is suitable for applica- tions in the interior of passenger cabins.
	ORABOND® AD18216	AD18	Tissue	160	90g paper, yellow	41	43	24 h	20 min	-	-40 bis +140°C	4	2	3	3	4	Extremely flexible and with an excellent repulsion resistance. Suit- able for insulating and damping materials such as foams, nonwo- vens and textiles. Good for bonding various materials from slightly rough to smooth surfaces with high to low surface energy (e.g. textiles, wood, small-pored and impregnated foams, nonwovens, cellular polyethylene, soft PVC or polypropylene). Due to its low fogging properties and low VOC content, the product is suitable for applications in the interior of passenger cabins.
	ORABOND® AD18610	AD18	Scrim	100	90g paper, yellow	30	31	10 h	10 min	-	-40 bis +140°C	4	2	3	3	4	Extremely flexible and with an excellent repulsion resistance. Suit- able for insulating and damping materials such as foams, nonwo- vens and textiles. Good for bonding various materials from slightly rough to smooth surfaces with high to low surface energy (e.g. textiles, wood, small-pored and impregnated foams, nonwovens, cellular polyethylene, soft PVC or polypropylene). Due to its low fogging properties and low VOC content, the product is suitable for applications in the interior of passenger cabins.
	ORABOND® AD18615	AD18	Scrim	150	90g paper, yellow	37	37	2 h	8 min	-	-40 bis +140°C	4	2	3	3	4	Extremely flexible and with an excellent repulsion resistance. Suit- able for insulating and damping materials such as foams, nonwo- vens and textiles. Good for bonding various materials from slightly rough to smooth surfaces with high to low surface energy (e.g. textiles, wood, small-pored and impregnated foams, nonwovens, cellular polyethylene, soft PVC or polypropylene). Due to its low fogging properties and low VOC content, the product is suitable for applications in the interior of passenger cabins.

Double-sided Tapes - Rubber Adhesive

Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
					20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
ORABOND® 1453	SR1	18 micron PP film	140	80 g paper, brown	27	30	> 72 h	-	21	-40 to +70° C	1	1	4	1	4	Lamination of foams, boards, profiles, metal, paper and hard PVC, high tack and immediate bonding.
ORABOND® 1443	SR1	18 micron PP film	100	80 g paper, brown other: PP	23	26	> 72 h	-	18	-40 to +70° C	1	1	4	1	4	For general bonding and point of sale applications; for closed cellular foams and rubber for even surfaces, economy version of ORABOND® 1453. PP version also recommended for extruded magnets, furniture trim and security bag seals.
ORABOND® 1459 FDA	SR5	Tissue	140	80 g paper, brown	20	21	> 72 h	-	13	-40 to +70° C	1	1	4	1	4	Lamination of closed cell foams, PE and hard PVC, general fixing of wood, metal and glass in internal applications; for rough and even surfaces.
ORABOND® 1466	SR6	Tissue	160	Paper tissue, 12.7 g	18	21	> 72 h	10 min.	14	-40 to +80° C	1	2	4	1	4	Adhesive medium for smooth surfaced materials (e.g. metal, polystyrene, glass) as well as for hard PVC and cellular polyethylene. Also used for lamination and sealing of mineral fibre insulation.
ORABOND® 1469	SR10	Tissue	90	80 g paper, brown	14	15	> 72 h	-	12	-40 to +70° C	1	1	4	1	2	For general fixing of wood, metal and glass in internal applications.
ORABOND® 1486 FDA	SR14	Tissue	160	90 g paper, brown	32	35	> 50 h	-	36	-40 to +70° C	1	2	4	1	4	For bonding to EPDM rubber, for refrigeration evaporator mounting.
ORABOND® 14862 FDA	SR14	Tissue	130	90 g paper, brown	30	35	> 50 h	-	36	-40 to +70° C	1	2	4	1	4	For bonding on smooth surfaces like metal, polystyrene, glass and hard PVC; used extensively in refrigeration market for mounting of evaporator plate panels.
ORABOND® 1489 FDA	SR14	Glass scrim	250	90 g paper, brown	40	45	24 h	-	56	-40 to +100° C	1	2	4	1	4	EPDM extrusions, impregnated foams, lamination of cellular rubber, filter mounting; high rip-resistance and low elongation.
ORABOND® 14891 FDA	SR14	Glass scrim	200	120 g paper, white	38	43	24 h	10 min.	15	-40 to +100° C	1	2	4	1	4	EPDM extrusions, impregnated foams, lamination of cellular rubber, filter mounting; high rip-resistance and low elongation.
ORABOND® 1470 FDA	SR17	Scrim	180	90g paper, yellow	70	70	> 72 h	-	-	-40 to +80° C	4	2	4	4	4	Suitable for self-adhesive finish of products with smooth surfaces (e.g. metal, polystyrene, LSE surfaces) as well as for bonding with (foamed) EPDM and plastics for seals and weather seals. High resistance to plasticisers and other mi-grating chemicals.

Synthetic rubber

Double-sided Foam Tapes

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Pure acrylic	ORABOND® 1802	A3	PE foam, white, 2.0 mm	2.1	90 g PE-paper, blue	> 16	> 16	> 1000h	> 72 h	20	-40 to +95° C	4	3	4	4	2	Used for the installation of mirrors in the furniture and sanitary industry. For adhesion of aluminium, steel and GRP outer skins during the construction of truck containers. For the fixing of panels and handles in the appliance and electrical industry.
	ORABOND® 1803	A3	PE foam, black, 2.0 mm	2.1	90 g PE-paper, blue	> 16	> 16	> 1000h	> 72 h	20	-40 to +95° C	4	3	4	4	2	Used for the installation of mirrors in the furniture and sanitary industry. For adhesion of aluminium, steel and GRP outer skins during the construction of truck containers. For the fixing of panels and handles in the appliance and electrical industry.
	ORABOND® 1810	A3	PE foam, white, 1.0 mm	1.1	140 g PE-paper, blue other: W	> 16	> 16	> 1000h	> 72 h	20	-40 to +95° C	4	3	4	3	2	Mounting of window bars, signs, extrusion profiles and mirrors, for solar panel production; complies with FIRA requirements. UL 746C listed. Certificate: Mirror mounting according to TÜV/Rheinland/LGA guideline
	ORABOND® 1815	A3	PE foam, white, 1.5 mm	1.6	140 g PE-paper, blue	> 16	> 16	> 1000h	> 72 h	20	-40 to +90° C	4	3	4	3	2	Mounting of mirrors, window bars (muntin bars), trims, panels and handles in furniture production as well as signs, displays and product prototypes in the advertising industry; for lamination of aluminium, steel and GRP outer skins during the construction of truck containers.
	ORABOND® 1824	A1	PE foam, black, 0.8 mm	0.9	140 g PE-paper, white other: L5	17	20	> 1000h	> 72 h	28	-40 to +95° C	4	3	4	3	2	Optical lens grinding pads, automotive badge and trim mounting, wheel weights.
	ORABOND® 1825	A3	PE foam, black, 0.5 mm	0.6	140 g PE-paper, white, with blue Orafol logo	17	20	> 1000h	> 72 h	20	-40 to +95° C	4	3	4	3	2	Fixing of badges, trims, panels and other fixings in the automotive industry.
Synthetic rubber	ORABOND® 1831	RL2	PE foam, white, 1.0 mm	1.1	90 g paper, white other: TM	> 18	> 18	> 500 h	1 h	35	-30 to +70° C	1	1	4	1	4	General purpose fixing and high shear application, plastic hooks and hangers, mirror mounting; complies with FIRA requirements, for rough surfaces. Certificate: Mirror mounting according to FIRA
	ORABOND® 1836	RL2	PE foam, white, 1.5 mm	1.6	90 g paper, white	> 18	> 18	> 500 h	> 1 h	28	-30 to +70° C	1	1	4	1	4	General purpose fixing and high shear application, plastic hooks and hangers; for apolar surfaces.
	ORABOND® 1840	RL2	PE foam, white, 0.8 mm	0.9	90 g paper, white	> 18	> 18	> 500 h	1 h	28	-30 to +70° C	1	1	4	1	4	General purpose fixing and high shear application, plastic hooks and hangers, mirror mounting; complies with FIRA requirements; for apolar surfaces.
Modified acrylic	ORABOND® 1807	AM2	PE foam, black, 2.0 mm	2.1	90 g paper, blue	> 19	> 19	> 300 h	> 6 h	28	-40 to +80° C	4	3	4	3	3	For installation of even surfaced spray cast and extruded plastic parts such as panels, bars and signs, as well as plexiglas mirrors for interior fit-outs and displays. For use as an adhesive medium for hooks, handles and dispensers on even surfaces.
	ORABOND® 1808	AM2	PE foam, black, 0.5 mm	0.6	90 g paper, white	> 20	> 20	> 300 h	> 6 h	30	-40 to +90° C	4	3	4	3	3	For fixing of trims, badges, panels, letters, emblems and other external fixings in the automotiveaftermarket industry.
	ORABOND® 1811	AM2	PE foam, white, 1.0 mm	1.1	90 g paper, blue other: W	> 18	> 18	> 300 h	> 6 h	28	-40 to +80° C	4	3	4	3	3	General mounting applications, lamination of plastic hooks, plastic hangers, cable trunking and furniture profiles; for interior application. UL 746C listed.
	ORABOND® 1812	AM2	PE foam, white, 1.0 mm	1.1	90 g paper, white other: TM L7	> 18	> 18	> 300 h	> 6 h	30	-40 to +80° C	4	3	4	3	3	Point of sale, general fixing and mounting, e.g. cable trunking, displays, signs; for interior application. Certificate: Mirror mounting according to TÜV/Rheinland/LGA guideline

Double-sided Foam Tapes

	Product	Adhesive	Carrier	Thickness (Without Liner - micron)	Release Liner	Adhesive 180° peel (N/25 mm) (FINAT TM 1)		Shear strength (1 kg) (FINAT TM 8)		Loop tack (N/25 mm)	Temperature resistance (° C)	Application-specific characteristics (4 = highly recommended, 0 = not recommended)					Prime applications
						20 min	24 h	23° C	70° C			UV and age resistance	Short term temperature resistance	Water resistance	Solvent and plasticiser resistance	Adhesion to low-surface energy	
Modified acrylic	ORABOND® 18126 FDA	AM2	PE foam, white, 1.0 mm	1.1	90g paper, white	> 18	> 18	> 300 h	> 3 h	30	-40 to +100° C	4	3	4	3	3	For bonding of smooth spray cast and extruded plastic parts (e.g. panels, bars, signs, plexiglass mirrors for interior fit-outs and displays). For even surfaces. Economic version of 1812.
	ORABOND® 1813K3 UL FDA	AM2	PE foam, white, 1.0 mm	1.1	100 micron PP film, yellow	> 18	> 18	> 300 h	> 3 h	28	-40 to +80° C	4	3	4	3	3	Sister product to ORABOND® 1812 with yellow PP film liner, for bonding of plastic and metal extrusion profiles and plastic parts, e.g. panels, bars, signs, plexiglass mirrors and displays; high initial adhesion and shear strength. UL 746C listed.
	ORABOND® 1816 FDA	AM2	PE foam, white, 1.5 mm	1.6	90 g paper, blue	> 18	> 18	> 300 h	> 6 h	20	-40 to +80° C	4	3	4	3	3	Metal pins, plastic hooks and hangers, cable trunking, furniture profiles, exhibition and point of sale.
	ORABOND® 1818 FDA	AM2	PE foam, white, 3.0 mm	3.1	90 g paper, white	> 18	> 18	> 300 h	> 5 h	28	-40 to +80° C	4	2	4	3	3	For bonding and installation of a variety of materials such as metals, plastics, glass and ceramics. For durable adhesion of plastic mouldings.
	ORABOND® 1819 FDA	AM2	PE foam, white, 2.0 mm	2.1	90 g paper, blue other: TM K3 09	> 19	> 19	> 300 h	> 3 h	28	-40 to +100° C	4	2	4	3	3	Furniture profiles, window seals, window bars, displays; for even surfaces.
	ORABOND® 1822 FDA	AM2	PE foam, black, 1.0 mm	1.1	90 g paper, white other: K3 L5	> 18	> 18	> 300 h	> 6 h	32	-40 to +80° C	4	3	4	3	3	Automotive after market trim and badge attachment, window bars, lamination of metal, plastics, glass and ceramics.
	ORABOND® 1826 FDA	AM2	PE foam, white, 0.8 mm	0.9	90 g paper, blue	> 20	> 20	> 300 h	> 6 h	20	-40 to +80° C	4	3	4	3	3	Mounting of mirrors, signs, window bars, and general purpose mounting.
	ORABOND® 1828 FDA	AM2	PE foam, black, 3.0 mm	3.1	90 g paper, white	> 18	> 18	> 300 h	> 3 h	28	-40 to +90° C	4	2	4	3	3	For mounting and fixing of window profiles and seals where the 3 mm product is required, for fixing of materials such as metal, plastics, glass, ceramics; good adhesion on difficult surfaces.
	ORABOND® 1852	AM6 / AM2	PE foam, white, 1.0 mm	1.2	90 g paper, white	open side: 18 covered side: 5	open side: > 18 covered side: 6	open side: > 400 h covered side: > 300 h	open side: > 6 h covered side: > 72 h	open side: 25 covered side: 7	-40 to +80° C	4	3	4	3	3	For use in applications where the foam is used as a temporary fixing or gasket. The adhesive on the liner side of this product is clean removable from most surfaces.

Adhesives

	Name	Type	Properties & Features
solvent	A1 A3 A4 A7	pure acrylic pure acrylic pure acrylic pure acrylic	High shear adhesive with excellent resistance to high temperatures, solvents, humidity and outdoor exposure. High shear adhesive with excellent resistance to outdoor conditions, high temperatures and plasticisers High clarity grade with excellent polycarbonate and acrylic adhesion. High shear adhesive with excellent high tack, excellent adhesion on all high-energy surfaces.
	AM2	modified 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.
	AM5 AM6 AM7	modified acrylic modified acrylic modified acrylic	Ultra removable adhesive with excellent no-build adhesion to most surfaces. Version of AM5 with increased adhesion and good removability. High sheer and high tack adhesive with good temperature performance for paper and board splicing. The adhesive is coloured red for visual splicing applications.
	AM10 AM12	modified acrylic modified acrylic	Higher shear version of AM2 for high temperature and electronics applications. Excellent high tack and outstanding adhesion on high-energy and especially on low-energy surfaces.
	AD6 AD7 AD11 AD17	pure acrylic pure acrylic pure acrylic pure acrylic	Low fogging version of AD7 Aggressive tack for most foam bonding applications where good resistance to ageing and solvents is required. Good adhesion to rough and low energy surfaces with very aggressive tack and high aging resistance High tack on various substrates even on LSE e.g. HDPE, PP, EPDM, foams and textiles. The adhesive offers excellent plasticizer resistance, high water resistance, moderate cohesion and low VOC and fogging emissions.
dispersion	AD1 AD4 AD14 AD16 AD18	modified acrylic modified acrylic modified acrylic modified acrylic modified acrylic	General purpose adhesive with medium tack and a good initial and final adhesion High performance acrylic adhesive, specially designed for bonding applications and white goods. High performance, flame retardant adhesive High performance adhesive with good balance of properties, a universal solution for most bonding applications Very aggressive tack even on LSE such as HDPE, PP, EPDM as well as various foams and textiles, enables immediate high adhesion to various substrates even with low grammage with moderate cohesion. The adhesive offers high water resistance, great repulsion resistance and low VOC and fogging emissions.
	RL2	synthetic rubber	High shear solvent rubber with good adhesion to low surface energy plastics.
	SR1 SR5 SR6 SR7 SR10 SR14 SR17	synthetic rubber synthetic rubber synthetic rubber synthetic rubber synthetic rubber synthetic rubber synthetic rubber	High tack adhesive with good adhesion to EPDM foams. General purpose high tack adhesive for splicing and lamination applications. Economy adhesive for general purpose bonding. High tack adhesive with good adhesion to cellular polyolefin foams. General purpose adhesive with good balance of adhesion and tack for foam and felt lamination. High tack adhesive with good resistance against plasticisers, particularly suitable for EPDM foam profiles. Extremely aggressive pressure-sensitive adhesive specially designed for use on open-cell EPDM/rubber substrates.

Liners

Liner	Type	g/m ²	Colour
Standard (for acrylics)	siliconised glassine	90	brown
Standard (for hot melts)	siliconised glassine	80	brown
09	siliconised glassine	80/100	white
for AM2 foams	siliconised glassine	90	blue
	siliconised glassine	90	white
TM	siliconised glassine	90	white, Orafol Logo blue
W	siliconised PE coated kraft	140	white
WA	siliconised PE coated kraft	100	white
A1 foams	siliconised PE coated kraft	140	blue
K3	siliconised polypropylene film	100	yellow
L5	siliconised polyethylene film	115	dark green
PP film	siliconised polypropylene film	80	transparent salmon
PET film	siliconised polyester film	70	clear
L7	siliconised polypropylene film	80	red

Carriers

Carrier	Type	micron	Colour
fleece	non-woven paper tissue	35	white
PP fleece	polypropylene fleece	35	white
PET	polyester film	12	clear
PET	polyester film	12	black
PP film	polypropylene fleece	18/28/57	clear
GI	scrim	-	white
Hard PVC	hard PVC film	38	white
PVC	soft PVC film	90	white
special scrim PET	diamond		blue
glass scrim	glass scrim		white
textile	rayon cloth		white
PE	PE foam	various	white/black

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