



Adhesive Tape Systems
For Sign and Display Markets

ORABOND™

Engineered to Perform Better™



“

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



Index

Adhesive Tape Systems For Sign and Display Markets

Page	Table of Contents
	ORABOND™ Transfer Tapes
10	ORABOND™ 1375 High Performance Acrylic Transfer Tape
10	ORABOND™ 1377 High Performance Acrylic Transfer Tape
10	ORABOND™ 1325 High Performance 2.4 mil Transfer Tape
10	ORABOND™ 1327 Transfer Tape
10	ORABOND™ 1328 High Performance 5 mil Transfer Tape
	ORABOND™ AM2 Double-sided Adhesive Tapes
14	ORABOND™ 1392TM Performance Double-Sided White Tape
14	ORABOND™ 1395TM General Purpose Double-Sided Film Tape
14	ORABOND™ 1397PP High Performance Double-Sided Tape
15	ORABOND™ 1397TM High Performance Double-Sided Tape
15	ORABOND™ 1399TM High Performance Double Coated Tissue Tape
15	ORABOND™ 1812TM High Performance Double-Sided Foam Tape
	ORABOND™ Specialty Adhesive Tapes
18	ORABOND™ 1331TM Permanent/Removable Double Coated Tape
18	ORABOND™ 1852 Permanent/Removable Double Coated Tape
	ORABOND™ Double-sided Adhesive Tapes with Foam Carriers
22	ORABOND™ 1810 High Performance Double-Sided Foam Tape
22	ORABOND™ 1812TM High Performance Double-Sided Foam Tape
23	ORABOND™ 1831 General Purpose Double-Sided Foam Tape
23	ORABOND™ 1852 Permanent/Removable Double Coated Tape
	ORABOND™ Carpet Tape
24	ORABOND™ 1362 Premium Exhibition Carpet Tape
	ORAFOL® Adhesives
24	Product Overview (All Sign & Display Tapes except ORABOND™ UHB Tapes)
	ORABOND™ Ultra High Bond (UHB) Tapes
28	ORABOND™ 3594 Ultra High Bond (UHB)
28	ORABOND™ 3595 Ultra High Bond (UHB)
28	ORABOND™ 3596 Ultra High Bond (UHB)
28	ORABOND™ 3597 Ultra High Bond (UHB)
28	ORABOND™ 3598 Ultra High Bond (UHB)
29	ORABOND™ 3599 Ultra High Bond (UHB)
29	ORABOND™ 3600 Ultra High Bond (UHB)
29	ORABOND™ 3601 Ultra High Bond (UHB)
29	ORABOND™ 3602 Ultra High Bond (UHB)
29	ORABOND™ 3603 Ultra High Bond (UHB)
30	ORABOND™ UHB Tapes Adhesion Guidelines for Substrates



Sign & Display Applications

Bonding A frame signs

Fixing box signs - panels to frames

Large panel signs

Bonding clear polycarbonate
for illuminated signs

Fixing housings and light units
in emergency signs

Name plate bonding

Bonding plate signs

Fixing individual letter signs

Point of sale bonding

Construction of obelisk signs

Fixing LED strip lights

Road Traffic Signs

Dot matrix signs

Frame bonding for digital signs



ORABOND™

High Performance Adhesive Tapes

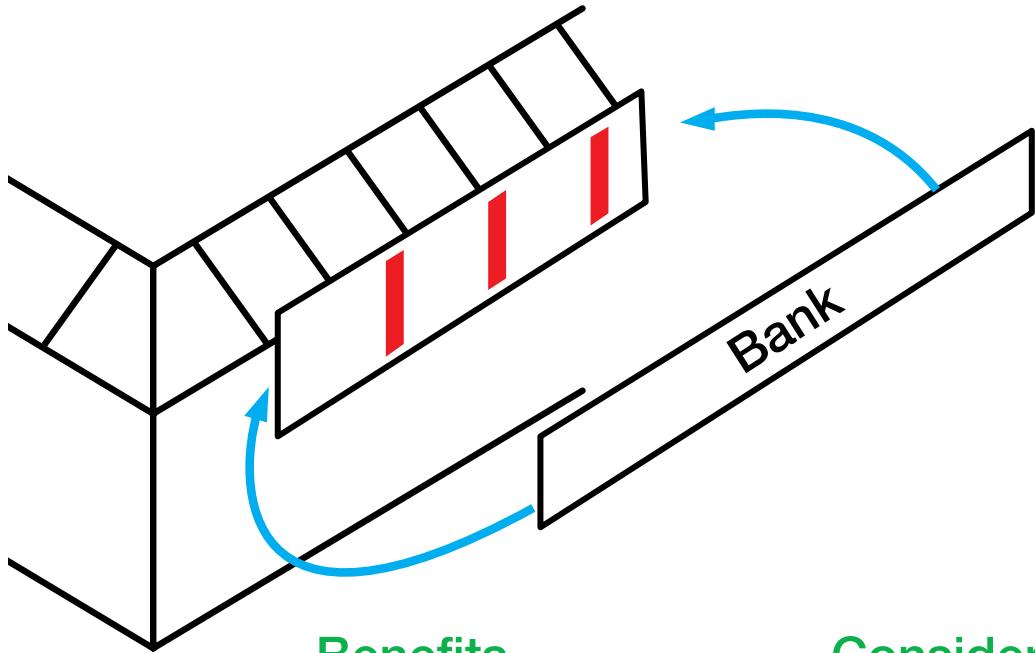
Excellent adhesion to high and low energy surfaces

High Peel and **Shear Strength**

Excellent resistance to UV light, solvents and plasticizers.



Fascia



Benefits

- Easy to apply without any mechanical attachment systems
- Enhanced aesthetics
- High performance of UHB tapes increases durability of sign

Considerations

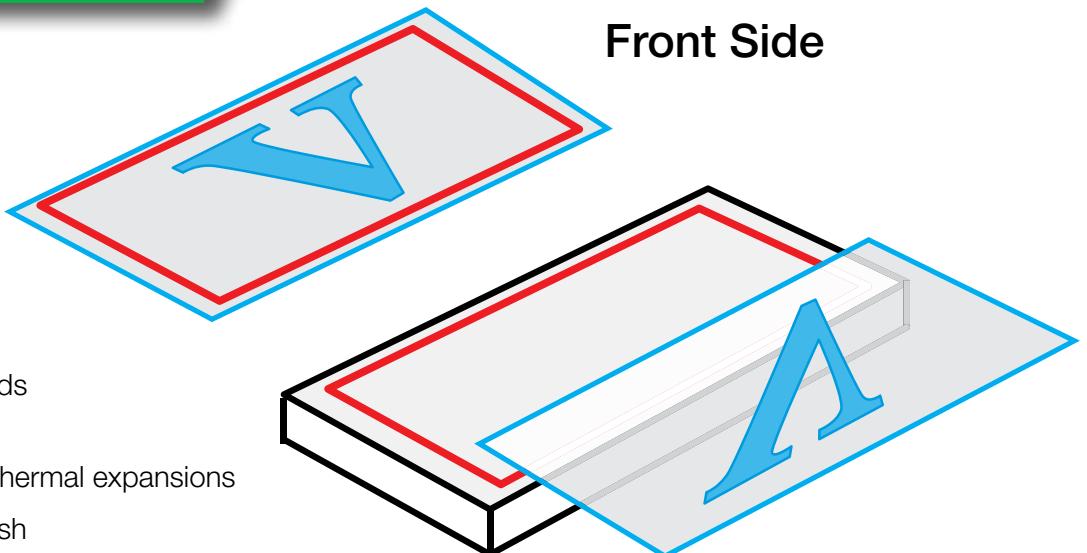
- Durability and choice of materials will determine the best bonding option.



Light box

Benefits

- Tape seals and bonds in one operation
- Allows for different thermal expansions
- Clean, attractive finish



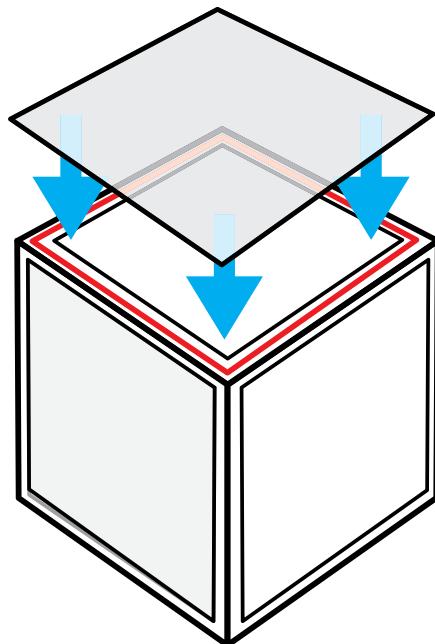
Considerations

- Heat resistance required from light source
- Clarity of bonding products required when transparent materials are used
- External applications usually demand a water-tight seal
- Bonding to different materials, eg. aluminum, polycarbonate



Box signs

Aluminum Sheet bonded to box frame.
Panels bonded to frame



Benefits

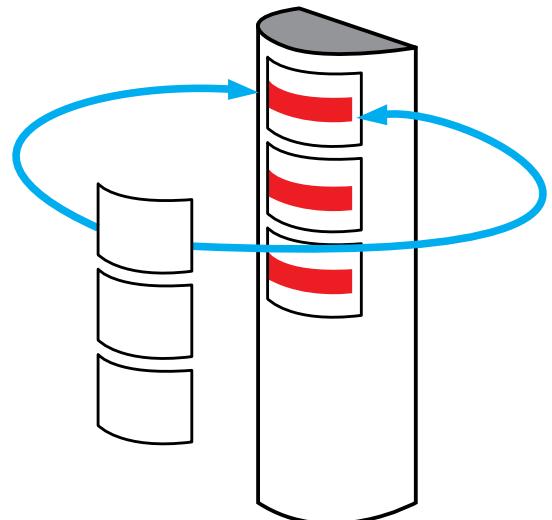
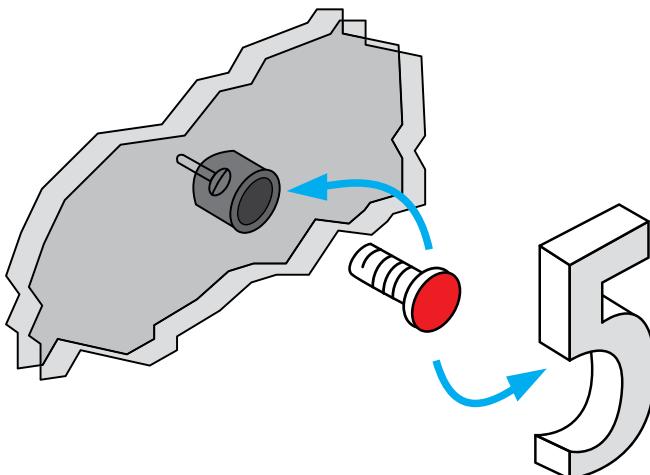
- Flush, clean surfaces
- Improved cost saving as a tape enables use of thinner, lighter materials.
- Speed and simplicity of assembly (critical for modular sign construction.)



Mounted Letters & Obelisk

Benefits

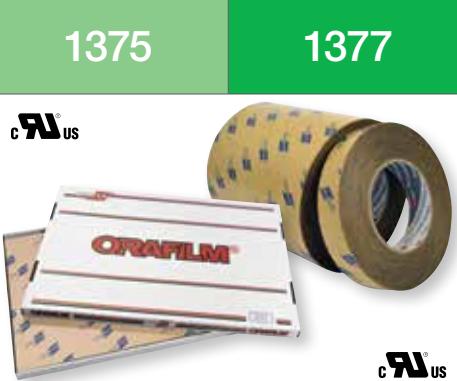
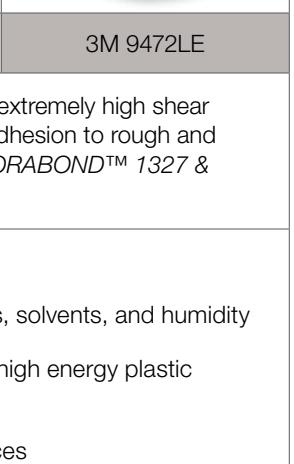
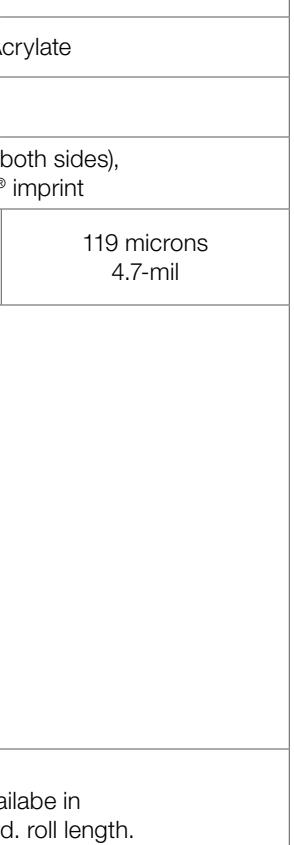
- No deterioration of sign face; improved appearance
- Allows for expansion and contraction of sign panel
- Bonds and seals in one step



Benefits

- Ensures flush vandal-resistant finish
- Invisible fixing and minimal surface damage
- Structural strength achievable on small areas

ORABOND™ Transfer Tapes

	1375	1377	1325	1327	1328		
							
Alternative to	3M 467MP	3M 468MP	3M 9471LE	3M 9453LE	3M 9472LE		
Application Areas	<p>Ideally suited for –</p> <ul style="list-style-type: none"> • Metal & plastic nameplates • Fascia panels for electronics • Sign & Display industry 		<p>Ideally suited for materials that require an extremely high shear & temperature resistance. (All films.) For adhesion to rough and slightly structured or stamped surfaces. (ORABOND™ 1327 & 1328 only.)</p>				
Key Property	<p>Excellent peel and shear strength</p> <p>Extreme resistance to UV light, solvents, and plasticizers</p> <p>170°C/338°F long-term temperature resistance</p>		<p>Excellent peel and shear strength</p> <p>Extreme resistance to UV light, chemicals, solvents, and humidity</p> <p>Extremely durable on metal, varnish and high energy plastic surfaces</p> <p>Very durable on low-energy plastic surfaces</p>				
Adhesive	A7 Pure Acrylate		AM12 Modified Solvent Acrylate				
Carrier	Unsupported transfer						
Liner	Moisture stable PE-coated paper, brown with Blue ORAFOL® imprint		Siliconised PE-coated paper (both sides), brown with Blue ORAFOL® imprint				
Thickness	57 microns 2.25-mil	120 microns 4.75-mil	57 microns 2.25-mil	89 microns 3.5-mil	119 microns 4.7-mil		
Roll Size & Rolls/Case	305 mm x 50 m (12" x 55 yd) 610 mm x 50 m (24" x 55 yd) 1220 mm x 50 m (48" x 55 yd) 25 mm x 50 m (1" x 55 yd) 38 mm x 50 m (1½" x 55 yd) 50 mm x 50 m (2" x 55 yd) 610 mm x 914 mm (24" x 36")	4 1 1 60 36 30 100 sheets/ream	305 mm x 50 m (12" x 55 yd) 610 mm x 50 m (24" x 55 yd) 1220 mm x 50 m (48" x 55 yd)	1 1 1	ORABOND™ 1327 is only available in 1220mm/48" roll width x 50m/55 yd. roll length.		



ORABOND™ 1375



ORABOND™ 1325

ORABOND™ 1327

ORABOND™ 1328

ORABOND™ 1325, 1327 & 1328 – Ideal for foams and materials that require a **Very High Adhesive Strength**.

Strong bonding solutions

and high performance – *every time!*

ORAFOL's *best selling*



**Double-sided
Adhesive Tapes**

AM2– Modified Solvent Acrylic Adhesive

Easy to Identify Color Coded Liners

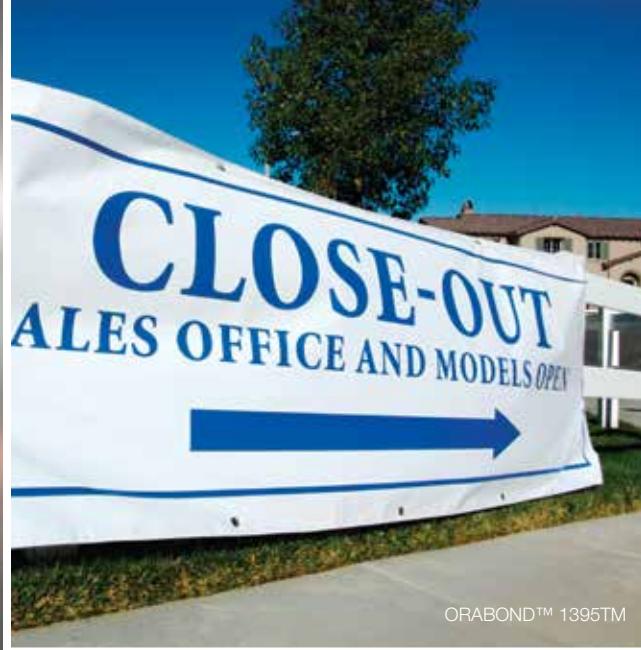
Strong Adhesion

Superior High Tack

Bonds Efficiently and Aggressively to most surfaces –

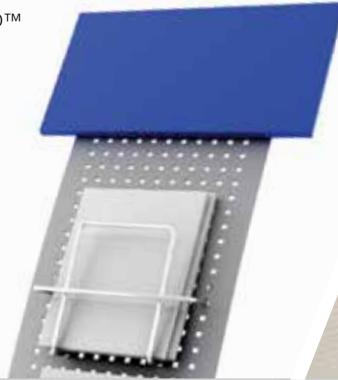
Perfect for Low-energy Surfaces

High Temperature and Shear Resistance



ORABOND™ 1397TM

ORABOND™
1392TM



ORABOND™ 1397PP

All
Natural Beef
At Its Best.



ORABOND™ 1399TM

ORABOND™ AM2

	1392TM	1395TM	1397PP			
						
Alternative to	Tesa 4970, 3M 9087, Lohmann 370	Nitto 5011, 3M 9098, Lohmann 3720	Tesa 4965, 3M 9088FL, Lohmann 376F/377F			
Application Areas	Car and truck mirrors in plastic housing	POP displays, outdoor signs, banner splicing, etc.	POP displays, outdoor signs, banners, APET, fluted PP board, Falcon foam, Lexan, high impact Styrene, etc. which have to be very stress-resistant			
Key Property	High peel and shear strength for opaque applications	High-tack and medium-shear strength	High peel and shear strength			
	Extreme resistance to UV light, high temperature, chemicals, solvents, humidity, and plasticizer		Extreme resistance to UV light, temperature, chemicals, solvents, and humidity			
	70°C/158°F long-term temperature resistance	160°C/320°F long-term temperature resistance	160°C/320°F long-term temperature resistance			
Adhesive	AM2 Modified Solvent Acrylate					
Carrier	38 micron 1.5-mil hard white PVC	12 micron 0.5-mil Clear PET				
Liner	55# 3.0-mil white paper with Blue ORAFOL® imprint		80 micron 3.15-mil red polypropylene film			
Thickness	260 microns 10.25-mil	130 microns 5-mil	210 microns 8.25-mil			
Roll Size & Rolls/Case	12 mm x 50 m (1/2" x 55 yd) 19 mm x 50 m (3/4" x 55 yd) 25 mm x 50 m (1" x 55 yd) 38 mm x 50 m (1 1/2" x 55 yd) 50 mm x 50 m (2" x 55 yd) 1370 mm x 50 m (54" x 55 yd)	80 52 40 24 20 1	12 mm x 33 m (1/2" x 36 yd) 19 mm x 33 m (3/4" x 36 yd) 25 mm x 33 m (1" x 36 yd) 38 mm x 33 m (1 1/2" x 36 yd) 50 mm x 33 m (2" x 36 yd)	120 78 60 36 30	12 mm x 50 m (1/2" x 55 yd) 19 mm x 50 m (3/4" x 55 yd) 25 mm x 50 m (1" x 55 yd) 38 mm x 50 m (1 1/2" x 55 yd) 50 mm x 50 m (2" x 55 yd)	120 78 60 36 30
	Also available in 1370mm/54" roll width.					

Double-Sided Adhesive Tapes

1397TM	1399TM	1812TM	
			
Tesa 4965, 3M 9088FL, Lohmann 376F/377F	3M 9086, Lohmann 3702, Tesa 4959	Tesa 4952, 3M 9546, Lohmann 5011, Scapa 5464, St. Gobain V1600	
POP displays, outdoor signs, banners, APET, fluted PP board, Falcon foam, Lexan, high impact Styrene, etc. which have to be very stress-resistant	POP displays, outdoor signs, splicing on difficult boards and banners, etc.	Bonding to rough or dissimilar surfaces, exhibition mounting, mirror mounting, outdoor signs, etc.	
High peel and shear strength (for opaque applications-1399TM)		Excellent resistance to UV light, solvents, and plasticizer	
Extreme resistance to UV light, temperature, chemicals, solvents, and humidity		High peel and shear strength on difficult plastics	
Long-term temperature resistance	140°C/284°F long-term temperature resistance	Long-term temperature resistance 100°C/212°F	
AM2 Modified Solvent Acrylate			
12 micron 0.5-mil Clear PET	1.5-mil tissue	1 mm 39.5-mil white PE Foam	
55# 3.0-mil white paper with Blue ORAFOL® imprint			
210 microns 8.25-mil	190 microns 7.5-mil	1.1 microns 43.5 mil	
12 mm x 50 m (1/2" x 55 yd)	120	12 mm x 50 m (1/2" x 55 yd)	20
19 mm x 50 m (3/4" x 55 yd)	78	19 mm x 50 m (3/4" x 55 yd)	13
25 mm x 50 m (1" x 55 yd)	60	25 mm x 50 m (1" x 55 yd)	10
38 mm x 50 m (1 1/2" x 55 yd)	36	38 mm x 50 m (1 1/2" x 55 yd)	6
50 mm x 50 m (2" x 55 yd)	30	50 mm x 50 m (2" x 55 yd)	5
ORABOND™ 1397TM is also available in 1370mm/54" roll width.			

LEVEL 3 - DEPART

LEVEL 2 - PUBLIC

LEVEL 1 - PARKING

**LEVEL G - ARRIVAL
GREETING**

ORABOND™ 1852

&

CHECK IN FOR

Specialty Tapes

Perfect for **Window Applications** when a **permanent bond** is needed on the graphic side and a **removable bond** is needed on the window side.

Clean removability from a variety of surfaces, even after an extended period of time

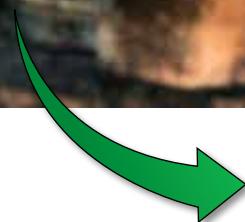
No damaged surfaces or messy cleanup!

ORABOND™ Specialty Tapes

	1331TM	1852		
		 NEW!		
Alternative to	3M 776, Tesa 4917	3M 4658, Essentra Remo One, Tesa 65605		
Application Areas	Displays, exhibition boards and posters, temporary fixing, etc. with the ability to remove cleanly			
Key Property	Covered/Removable Side – Easy, clean removability from a variety of surfaces			
	Open/Permanent Side – Strong bonding characteristics to many surfaces			
	Good resistance to temperature (120°C/248°F) and moisture			
Adhesive	AM1/AM5 Modified Solvent Acrylic	AM2/AM6 Modified Solvent Acrylic		
Carrier	12 micron 0.5-mil Clear PET	1.0 mm Closed cell PE Foam with interlayer polyester film		
Liner	90g white paper with Blue ORAFOL® imprint	90g white paper		
Thickness	100 microns 4-mil	1.2 microns 47.5-mil		
Roll Size & Rolls/Case	12 mm x 50 m (½" x 55 yd)	120	12 mm x 50 m (½" x 55 yd)	20
	19 mm x 50 m (¾" x 55 yd)	78	19 mm x 50 m (¾" x 55 yd)	13
	25 mm x 50 m (1" x 55 yd)	60	25 mm x 50 m (1" x 55 yd)	10
	38 mm x 50 m (1½" x 55 yd)	52	38 mm x 50 m (1½" x 55 yd)	6
	50 mm x 50 m (2" x 55 yd)	30	50 mm x 50 m (2" x 55 yd)	5



ORABOND™ 1331TM



Great for Point of Sale Applications when a **Removable Tape** is needed.

DEPARTURE

Departures

Departing To	Flight	Time	Status	Terminal	Gate
Atlanta	202	10:55A	On Time	A	31R
Chicago	203	8:55A	On Time	C	132
Denver	204	8:55A	On Time	A	24a
Los Angeles	205	8:55A	On Time	C	71
Seattle	206	8:55A	On Time	C	133
Phoenix	207	10:45A	On Time	C	120
San Francisco	208	8:15A	On Time	A	134
Seattle	209	8:55A	On Time	C	121
Phoenix	210	10:45A	On Time	C	122
Los Angeles	211	8:55A	On Time	C	123
Seattle	212	8:55A	On Time	C	124
Phoenix	213	10:45A	On Time	C	125
Los Angeles	214	8:55A	On Time	C	126
Seattle	215	8:55A	On Time	C	127
Phoenix	216	10:45A	On Time	C	128
Los Angeles	217	8:55A	On Time	C	129
Seattle	218	8:55A	On Time	C	130
Phoenix	219	10:45A	On Time	C	131
Los Angeles	220	8:55A	On Time	C	132
Seattle	221	8:55A	On Time	C	133
Phoenix	222	10:45A	On Time	C	134
Los Angeles	223	8:55A	On Time	C	135
Seattle	224	8:55A	On Time	C	136
Phoenix	225	10:45A	On Time	C	137
Los Angeles	226	8:55A	On Time	C	138
Seattle	227	8:55A	On Time	C	139
Phoenix	228	10:45A	On Time	C	140
Los Angeles	229	8:55A	On Time	C	141
Seattle	230	8:55A	On Time	C	142
Phoenix	231	10:45A	On Time	C	143
Los Angeles	232	8:55A	On Time	C	144
Seattle	233	8:55A	On Time	C	145
Phoenix	234	10:45A	On Time	C	146
Los Angeles	235	8:55A	On Time	C	147
Seattle	236	8:55A	On Time	C	148
Phoenix	237	10:45A	On Time	C	149
Los Angeles	238	8:55A	On Time	C	150
Seattle	239	8:55A	On Time	C	151
Phoenix	240	10:45A	On Time	C	152
Los Angeles	241	8:55A	On Time	C	153
Seattle	242	8:55A	On Time	C	154
Phoenix	243	10:45A	On Time	C	155
Los Angeles	244	8:55A	On Time	C	156
Seattle	245	8:55A	On Time	C	157
Phoenix	246	10:45A	On Time	C	158
Los Angeles	247	8:55A	On Time	C	159
Seattle	248	8:55A	On Time	C	160
Phoenix	249	10:45A	On Time	C	161
Los Angeles	250	8:55A	On Time	C	162
Seattle	251	8:55A	On Time	C	163
Phoenix	252	10:45A	On Time	C	164
Los Angeles	253	8:55A	On Time	C	165
Seattle	254	8:55A	On Time	C	166
Phoenix	255	10:45A	On Time	C	167
Los Angeles	256	8:55A	On Time	C	168
Seattle	257	8:55A	On Time	C	169
Phoenix	258	10:45A	On Time	C	170
Los Angeles	259	8:55A	On Time	C	171
Seattle	260	8:55A	On Time	C	172
Phoenix	261	10:45A	On Time	C	173
Los Angeles	262	8:55A	On Time	C	174
Seattle	263	8:55A	On Time	C	175
Phoenix	264	10:45A	On Time	C	176
Los Angeles	265	8:55A	On Time	C	177
Seattle	266	8:55A	On Time	C	178
Phoenix	267	10:45A	On Time	C	179
Los Angeles	268	8:55A	On Time	C	180
Seattle	269	8:55A	On Time	C	181
Phoenix	270	10:45A	On Time	C	182
Los Angeles	271	8:55A	On Time	C	183
Seattle	272	8:55A	On Time	C	184
Phoenix	273	10:45A	On Time	C	185
Los Angeles	274	8:55A	On Time	C	186
Seattle	275	8:55A	On Time	C	187
Phoenix	276	10:45A	On Time	C	188
Los Angeles	277	8:55A	On Time	C	189
Seattle	278	8:55A	On Time	C	190
Phoenix	279	10:45A	On Time	C	191
Los Angeles	280	8:55A	On Time	C	192
Seattle	281	8:55A	On Time	C	193
Phoenix	282	10:45A	On Time	C	194
Los Angeles	283	8:55A	On Time	C	195
Seattle	284	8:55A	On Time	C	196
Phoenix	285	10:45A	On Time	C	197
Los Angeles	286	8:55A	On Time	C	198
Seattle	287	8:55A	On Time	C	199
Phoenix	288	10:45A	On Time	C	200
Los Angeles	289	8:55A	On Time	C	201
Seattle	290	8:55A	On Time	C	202
Phoenix	291	10:45A	On Time	C	203
Los Angeles	292	8:55A	On Time	C	204
Seattle	293	8:55A	On Time	C	205
Phoenix	294	10:45A	On Time	C	206
Los Angeles	295	8:55A	On Time	C	207
Seattle	296	8:55A	On Time	C	208
Phoenix	297	10:45A	On Time	C	209
Los Angeles	298	8:55A	On Time	C	210
Seattle	299	8:55A	On Time	C	211
Phoenix	300	10:45A	On Time	C	212
Los Angeles	301	8:55A	On Time	C	213
Seattle	302	8:55A	On Time	C	214
Phoenix	303	10:45A	On Time	C	215
Los Angeles	304	8:55A	On Time	C	216
Seattle	305	8:55A	On Time	C	217
Phoenix	306	10:45A	On Time	C	218
Los Angeles	307	8:55A	On Time	C	219
Seattle	308	8:55A	On Time	C	220
Phoenix	309	10:45A	On Time	C	221
Los Angeles	310	8:55A	On Time	C	222
Seattle	311	8:55A	On Time	C	223
Phoenix	312	10:45A	On Time	C	224
Los Angeles	313	8:55A	On Time	C	225
Seattle	314	8:55A	On Time	C	226
Phoenix	315	10:45A	On Time	C	227
Los Angeles	316	8:55A	On Time	C	228
Seattle	317	8:55A	On Time	C	229
Phoenix	318	10:45A	On Time	C	230
Los Angeles	319	8:55A	On Time	C	231
Seattle	320	8:55A	On Time	C	232
Phoenix	321	10:45A	On Time	C	233
Los Angeles	322	8:55A	On Time	C	234
Seattle	323	8:55A	On Time	C	235
Phoenix	324	10:45A	On Time	C	236
Los Angeles	325	8:55A	On Time	C	237
Seattle	326	8:55A	On Time	C	238
Phoenix	327	10:45A	On Time	C	239
Los Angeles	328	8:55A	On Time	C	240
Seattle	329	8:55A	On Time	C	241
Phoenix	330	10:45A	On Time	C	242
Los Angeles	331	8:55A	On Time	C	243
Seattle	332	8:55A	On Time	C	244
Phoenix	333	10:45A	On Time	C	245
Los Angeles	334	8:55A	On Time	C	246
Seattle	335	8:55A	On Time	C	247
Phoenix	336	10:45A	On Time	C	248
Los Angeles	337	8:55A	On Time	C	249
Seattle	338	8:55A	On Time	C	250
Phoenix	339	10:45A	On Time	C	251
Los Angeles	340	8:55A	On Time	C	252
Seattle	341	8:55A	On Time	C	253
Phoenix	342	10:45A	On Time	C	254
Los Angeles	343	8:55A	On Time	C	255
Seattle	344	8:55A	On Time	C	256
Phoenix	345	10:45A	On Time	C	257
Los Angeles	346	8:55A	On Time	C	258
Seattle	347	8:55A	On Time	C	259
Phoenix	348	10:45A	On Time	C	260
Los Angeles	349	8:55A	On Time	C	261
Seattle	350	8:55A	On Time	C	262
Phoenix	351	10:45A	On Time	C	263
Los Angeles	352	8:55A	On Time	C	264
Seattle	353	8:55A	On Time	C	265
Phoenix	354	10:45A	On Time	C	266
Los Angeles	355	8:55A	On Time	C	267
Seattle	356	8:55A	On Time	C	268
Phoenix	357	10:45A	On Time	C	269
Los Angeles	358	8:55A	On Time	C	270
Seattle	359	8:55A	On Time	C	271
Phoenix	360	10:45A	On Time	C	272
Los Angeles	361	8:55A	On Time	C	273
Seattle	362	8:55A	On Time	C	274
Phoenix	363	10:45A	On Time	C	275
Los Angeles	364	8:55A	On Time	C	276
Seattle	365	8:55A	On Time	C	277
Phoenix	366	10:45A	On Time	C	278
Los Angeles	367	8:55A	On Time	C	279
Seattle	368	8:55A	On Time	C	280
Phoenix	369	10:45A	On Time	C	281
Los Angeles	370	8:55A	On Time	C	282
Seattle	371	8:55A	On Time	C	283
Phoenix	372	10:45A	On Time	C	284
Los Angeles	373	8:55A	On Time	C	285
Seattle	374	8:55A	On Time	C	286
Phoenix	375	10:45A	On Time	C	287
Los Angeles	376	8:55A	On Time	C	288
Seattle	377	8:55A	On Time	C	289
Phoenix	378	10:45A	On Time	C	290
Los Angeles	379	8:55A	On Time	C	291
Seattle	380	8:55A	On Time	C	292
Phoenix	381	10:45A	On Time	C	293
Los Angeles	382	8:55A	On Time	C	294
Seattle	383	8:55A	On Time	C	295
Phoenix	384	10:45A	On Time	C	296
Los Angeles	385	8:55A	On Time	C	297
Seattle	386	8:55A	On Time	C	298
Phoenix	387	10:45A	On Time	C	299
Los Angeles	388	8:55A	On Time	C	300
Seattle	389	8:55A	On Time	C	301
Phoenix	390	10:45A	On Time	C	302
Los Angeles	391	8:55A	On Time	C	303
Seattle	392	8:55A	On Time	C	304
Phoenix	393	10:45A	On Time	C	305
Los Angeles	394	8:55A	On Time	C	306
Seattle	395	8:55A	On Time	C	307
Phoenix	396	10:45A	On Time	C	308
Los Angeles	397	8:55A	On Time	C	309
Seattle	398	8:55A	On Time	C	310
Phoenix	399	10:45A	On Time	C	311
Los Angeles	400	8:55A	On Time	C	312
Seattle	401	8:55A	On Time	C	313
Phoenix	402	10:45A	On Time	C	314
Los Angeles	403	8:55A	On Time	C	315
Seattle	404	8:55A	On Time	C	316
Phoenix	405	10:45A	On Time	C	317
Los Angeles	406	8:55A	On Time	C	318
Seattle	407	8:55A	On Time	C	319
Phoenix	408	10:45A	On Time	C	320
Los Angeles	409	8:55A	On Time	C	321
Seattle	410	8:55A	On Time	C	322
Phoenix	411	10:45A	On Time	C	323
Los Angeles	412	8:55A	On Time	C	324
Seattle	413	8:55A	On Time	C	325
Phoenix	414	10:45A	On Time	C	326
Los Angeles	415	8:55A	On Time	C	327
Seattle	416	8:55A	On Time	C	328
Phoenix	417	10:45A	On Time	C	329
Los Angeles	418	8:55A	On Time	C	330
Seattle	419	8:55A	On Time	C	331
Phoenix	420	10:45A	On Time	C	332
Los Angeles	421	8:55A	On Time	C	333
Seattle	422	8:55A	On Time	C	334
Phoenix	423	10:45A	On Time	C	335
Los Angeles	424	8:55A	On Time	C	336
Seattle	425	8:55A	On Time	C	337
Phoenix	426	10:45A	On Time	C	338
Los Angeles	427	8:55A	On Time	C	339
Seattle	428	8:55			



ORABOND™ 1812TM



ORABOND™ 1831

Double-Sided Adhesive Tapes with Foam Carriers

High Performance adhesive tapes
used to bond *rough* or *dissimilar surfaces*.

Excellent resistance to UV light,
solvents and plasticizers.

Excellent for mirror mounting and
hanging of indoor signs.

ORABOND™ Double-Sided

	1810	1812TM
	 	
Alternative to	3M 9539, Lohmann 918	Tesa 4952, 3M 9546, Lohmann 5011, Scapa 5464, St. Gobain V1600
Application Areas	Bonding to rough or dissimilar surfaces, exhibition mounting, mirror mounting, outdoor signs, etc.	
Key Property	Excellent resistance to UV light, solvents, and plasticizer Maximum peel & shear strength on glass and metal Long-term temperature resistance 95°C/203°F	
Adhesive	A1 Pure Solvent Acrylate	AM2 Modified Solvent Acrylate
Carrier	1 mm 39.5-mil white PE Foam	
Liner	86# 5.5-mil blue PE paper	55# 3.0-mil white paper with Blue ORAFOL® imprint
Thickness	1.1 microns 43.5-mil	
Roll Size & Rolls/Case	12 mm x 50 m (1/2" x 55 yd) 19 mm x 50 m (3/4" x 55 yd) 25 mm x 50 m (1" x 55 yd) 38 mm x 50 m (1 1/2" x 55 yd) 50 mm x 50 m (2" x 55 yd)	20 13 10 6 5

Adhesive Tapes with Foam Carriers

1831	1852
	
3M 9536, Lohmann 5008, Scapa 5474, St. Gobain V1500	3M 4658, Essentra Remo One, Tesa 65605
Bonding to rough or dissimilar surfaces, exhibition mounting, mirror mounting, indoor signs, etc.	Displays, exhibition boards and posters, temporary fixing, etc. with the ability to remove cleanly
Very high initial-tack and good shear strength Excellent adhesion to a variety of plastics	Covered/Removable Side – Easy, clean removability from a variety of surfaces
	Open/Permanent Side – Strong bonding characteristics to many surfaces
	Good resistance to temperature (120°C/248°F) and moisture
RL2 Synthetic Rubber	AM2/AM6 Modified Solvent Acrylic
1 mm 39.5-mil, white PE Foam	1.0 mm Closed cell PE Foam with interlayer polyester film
55# 3.0-mil white paper	90g white paper
1.1 microns 43.5-mil	1.2 microns 47.5-mil
12 mm x 50 m (½" x 55 yd) 19 mm x 50 m (¾" x 55 yd) 25 mm x 50 m (1" x 55 yd) 38 mm x 50 m (1½" x 55 yd) 50 mm x 50 m (2" x 55 yd)	20
	13
	10
	6
	5

ORAFOL® Adhesives

Name	Type	Properties & Features
A1	pure solvent acrylic	High-shear adhesive with excellent resistance to high temperatures, solvents, humidity and outdoor exposure.
A7	pure acrylic	High-shear adhesive with excellent high-tack, excellent adhesion on all high-energy surfaces.
AM1	modified solvent acrylic	Medium-shear adhesive with excellent adhesion to most foams where plasticizers and other impregnates are used.
AM2	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-energy plastic surfaces.
AM5	modified solvent acrylic	Ultra removable adhesive with excellent no-build adhesion to most surfaces.
AM12	modified solvent acrylic	Excellent high-tack and outstanding adhesion on high-energy and especially on low-energy surfaces.
RL2	synthetic rubber	High shear solvent rubber with good adhesion to low-energy plastic surfaces.

ORABOND™ Carpet Tape

1362



Alternative to	Lohmann 4313, Tesa 4964			
Application Areas	Good bonding to carpet with clean removability from exhibition floors.			
Adhesive	Modified dispersion acrylate	Carrier	Rayon, White	
Liner	55# white paper	Thickness	292 microns 11.5-mil	
Roll Size & Rolls/Case	12 mm x 50 m (½" x 55 yd) 19 mm x 50 m (¾" x 55 yd) 25 mm x 50 m (1" x 55 yd)	80 52 40	38 mm x 50 m (1½" x 55 yd) 50 mm x 50 m (2" x 55 yd)	24 20

PRODUCT OVERVIEW

(All Sign & Display Tapes except ORABOND™ UHB tapes)

Substrate	Carrier Tape	PVC	PET	Tissue		Foam		Transfer	
		White	Clear	Off White		White		Clear	
Foam Sign Board (uncoatedPVC)	1392TM		1397PP 1397TM						
PET Sheets						1812TM		1375	1377
Paper Laminated Foam Board									
Coated Foam Board									
Polypropylene Sheet	1392TM		1399TM		1810				1328
PVC Sign Board						1812TM		1375	1377
Polycarbonate Sheet									
Filled Polypropylene			1397PP 1397TM						1328
Banner, Heavy	1392TM								
Banner, Light									
Polystyrene Sheet					1810		1831	1375	1377
Uncoated Cartonboard									
Uncoated Paper			1399TM	1358TM					
Corrugated Board									
Mirrors (glass sheet)					1810	1812TM	1831		
Mirrors (acrylic sheet)									

For more product information, please contact tapes-americas@orafol.com.

- ORABOND™ 1399 is very widely used in splicing of paper and carton boards in coating and printing applications.
- ORABOND™ 1397PP is very popular because the red film liner is widely seen as a measure of product performance (3M 9088FL and Tesa 4965 for example).





What makes UHB tapes bond so well?

ORABOND™ UHB (Ultra High Bond) tapes bond to a wide variety of surfaces.

The **viscoelastic properties (flow characteristics)** of the UHB tapes allow the adhesive to flow into the microscopic surface of materials. The adhesive bond is very strong when there is good 'wet out', maximum adhesive contact under pressure with the substrates to be bonded.

Abrading the surface to be bonded actually improves the strength of the bond.

This creates a rough surface for a greater adhesive bonding area.

The **elastic characteristics** of the foam give it very good internal cohesive strength to support loads in both static and dynamic shear. It also gives the foam very good peel adhesion strength.

The tape is soft and very flexible which means it has **great conformability**.

The tape will **radius well** (go around curves).

ORABOND™ Ultra

	3594	3595	3596	3597	3598
	 NEW!	 NEW!			
Alternative to	3M RP25	3M 4930	3M 9473	3M 4905	3M 5314
Application Areas	Ideally suited for a wide range of applications in – <ul style="list-style-type: none"> • Automotive • Electronic • Sign & Display industry • Solar 	Ideally suited for structural and general bonding including – <ul style="list-style-type: none"> • Body panels • Emblems • Illuminated displays • Signage 			
Key Property	High Performance Bonding & Mounting High shear holding power and temperature resistance	High Performance Bonding & Mounting High shear holding power and temperature resistance Clear adhesive improves bondline aesthetics when joining transparent materials	High Performance Bonding & Mounting High shear holding power and temperature resistance	High Performance Bonding & Mounting High shear holding power and temperature resistance	High Performance Bonding & Mounting Elastomeric nature of the foamed adhesive makes it ideal for applications requiring conformability
Adhesive	Foamed Acrylic, Grey	Foamed Acrylic, White	Foamed Acrylic, Clear	Foamed Acrylic, Grey	
Liner	5-mil release coated polyethylene, Red				
Thickness	640 microns 25-mil	249 microns 10-mil	500 microns 20-mil	800 microns 31-mil	
Roll Size & Rolls/Case	12 mm x 33 m ($\frac{1}{2}$ " x 36 yd) 19 mm x 33 m ($\frac{3}{4}$ " x 36 yd) 25 mm x 33 m (1" x 36 yd)			24	
				16	
				12	

High Bond (UHB) Tapes

3599	3600	3601	3602	3603	
 cUL us	 cUL us	 cUL us	 NEW!	 NEW!	
3M 4910	3M 4941/5952	3M 4950	3M 4991	3M 4956	
Ideally suited for mounting, bonding and sealing of – <ul style="list-style-type: none"> • Glass displays • Illuminated displays • Laminated safety glass • Signage • Shower screens 	Ideally suited for structural and general bonding including– <ul style="list-style-type: none"> • Body panels • Emblems • Illuminated displays • Signage • Window glazing bars (3601 only) 				
High Performance Bonding & Mounting Ideal for applications where thermal expansion differences are a concern Clear adhesive improves bondline aesthetics when joining transparent materials	High Performance Bonding & Mounting Ideal for applications where thermal expansion differences are a concern	High Performance Bonding & Mounting High shear holding power and temperature resistance Ideal for applications where thermal expansion differences are a concern			
Foamed Acrylic, Clear	Foamed Acrylic, Grey	Foamed Acrylic, White	Foamed Acrylic, Grey		
5-mil release coated polyethylene, Red					
1,000 microns 40-mil	1,100 microns 44-mil	2,000 microns 78-mil	1,500 microns 60-mil		
12 mm x 33 m (½" x 36 yd)	24	13 mm x 16.5 m (½" x 18 yd)	23	13 mm x 25 m (½" x 27 yd)	23
19 mm x 33 m (¾" x 36 yd)	16	15 mm x 16.5 m (¾" x 18 yd)	20	15 mm x 25 m (¾" x 27 yd)	20
25 mm x 33 m (1" x 36 yd)	12	25 mm x 16.5 m (1" x 18 yd)	12	25 mm x 25 m (1" x 27 yd)	12

ORABOND™ UHB Tapes

Adhesion Guidelines for Substrates

Substrate Material		Adhesion	Primer Usage
Aluminum Anodized Aluminum Copper Lead	Painted Metal Stainless Steel Tin Zinc	Excellent	Not Necessary
Alkyd Enamel Epoxy Paint Kapton Nylon	Polychloroprene Polyester Polyurethane	Very Good	May Need Primer
ABS (Acrylonitrile-Butadiene-Styrene) Acrylic Polycarbonate	Polystyrene PVA (Polyvinyl Acetate) PVC (Polyvinyl Chloride)	Good	Recommended
EPDM (Ethylene Propylene Diene Monomer-Rubber) EVA (Ethylene Vinyl Acetate)	Polyethylene Polypropylene Tedlar	Good	Required
Silicone	Teflon	Poor	

Attention

Surfaces to which the material will be applied must be cleaned thoroughly of dust, grease or any contaminants. It is the end users responsibility to verify painted surfaces are completely cured prior to adhesive tape application.

Preparation

Cleaned with an appropriate solvent; preferably IPA no more than 15 minutes prior to bonding.

Typically, full bond is reached after 72 hours.
(50% at 20 minutes, 90% at 24 hours.)



ORABOND™ UHB

The Tape
that replaces the need for

**Mechanical Fasteners
& Liquid Adhesives.**

Adhesive Tape Systems
Engineered to Perform Better™



Revised 02/18 | © 2018 ORAFOL Americas Inc.

48720-ATSSD

ATS-SD-BROCHURE



Distributed by:



For more information visit
www.piedmontplastics.com