



# Adhesive Tape Systems

**Strong Bonds for Your White Goods / Appliances**

**ORABOND®**

Engineered to Perform Better™

# Application overview

## Strong Bonds for Your White Goods / Appliances

The ORAFOL product range offers the best fitting solutions for most bonding issues that may occur during the fabrication of commercially as well as domestic appliances.

The ORAFOL adhesive tape systems not only help manufacture products that are more energy efficient, lighter-weight and quieter, but also make your whole production process more energy and time efficient. Below please find an overview of suitable products for your applications.

### Mounting of Displays



#### ORABOND® Solutions

- Tissue (1354N, 1486)
- PE Foams (1824, 1831, etc.)
- PET (1397, 1331, etc.)
- PP (1194)

### Fixation of Emblems



#### ORABOND® Solutions

- Tissue (1354N, 13162, etc.)
- PET (1396, 13163, etc.)
- PE Foams (1804, 1864, etc.)
- Transfer adhesive tapes (1347, etc.)

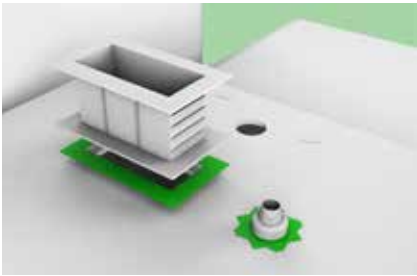
### Decorative Trim Mounting



#### ORABOND® Solutions

- PE Foams (1824, 1836, etc.)
- PET (1397)
- Transfer adhesive tapes (1345, etc.)

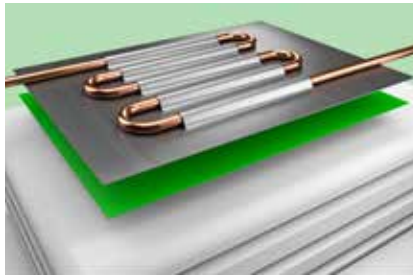
### Fixation of Small Parts



#### ORABOND® Solutions

- PET (1397)
- PE Foams (1804, 1864, 1812, etc.)

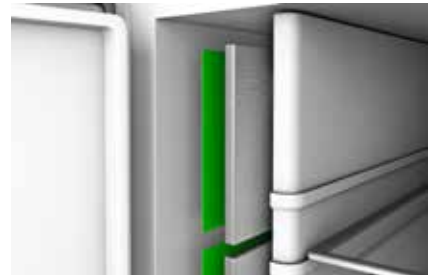
### Evaporator Mounting



#### ORABOND® Solutions

- Tissue (1354N, 1486, etc.)
- PET (1397, 14236, etc.)
- PVC (3331TG)

### Vacuum Insulation Panel Mounting



#### ORABOND® Solutions

- Tissue (1486, 13162)

### Glass Door Fixation



#### ORABOND® Solutions

- Tissue (1396, 13164)

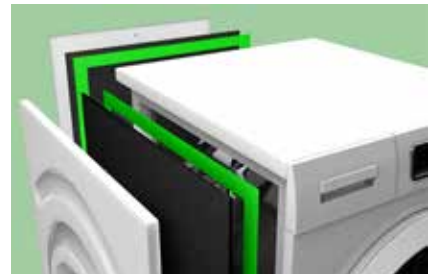
### Panel Mounting



#### ORABOND® Solutions

- PE Foams (1824, 1825)

### Noise and Vibration Reduction



#### ORABOND® Solutions

- Tissue (1486, 1349, 1459)
- PET (14236)

For more details please contact us directly.

## Product overview

### Comparison of polyester and foam product

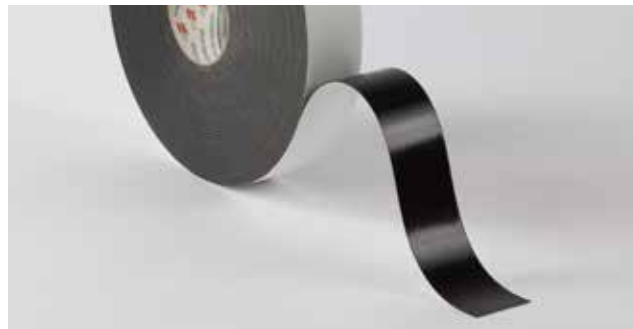
#### ORABOND® 1397

- Polyester film (12 micron)
- Modified solvent-acrylate adhesive on both sides (total thickness 210 micron)
- High adhesive and shear strength on smooth surfaces
- Good resistance to UV radiation, temperature, solvents, humidity
- On request also available in fingerlift spools



#### ORABOND® 1824

- Closed-cell PE foam, black (800 micron)
- Pure solvent acrylate adhesive on both sides (total thickness 900 micron)
- Excellent shear strength
- For high and low energy surfaces
- Good resistance to UV radiation, temperature, solvents, humidity



Carrier material	Properties / Usage
Unsupported	Very thin, one adhesive, mostly one liner
PE Foam	Vibration and noise reduction, great adjustment to rough and uneven surfaces, compensation of different expansion factors of separate adherends, sealing against dust, moisture, and impact
Tissue	Lacerable by hand, heat resistant, adjustable to rough surface structures, cushioning, recyclable
PET film	High tensile strength, high temperature and chemical resistance, barrier against substances migrating from the surface (plasticisers), for high performance applications
PP film	High tensile strength (direction adjustable), high UV resistance, fabrication of die cuts, well balanced price/performance ratio
PVC film	High tensile strength, may contain plasticisers, fabrication of die cuts, economical version

### Exemplary overview of products

ORABOND®	Adhesive Thickness (µm)	Adhesive	Carrier*	Properties – Adhesive	Typical Applications	Application specific characteristics				
						Tack	Aging	Weatherability	Temperature Resistance	Adhesion to Low Surface Energy
1486	160	Hot Melt	Tissue	· High adhesive strength · Good adhesion on smooth surfaces · Good water resistance · High plasticiser resistance	· Evaporators · Displays · Noise reduction · Emblems · Insulation	4	1	3	2	4
14236	230		PET			4	1	3	2	4
1354N	180	Mod. Acrylic Dispersion	Tissue	· Plasticiser tolerant · Resistant to temperature and aging	· Evaporators · Displays · Decorative Trims	3	4	4	2	3
1345	50		Transfer			2	4	2	2	2
1824	900	Pure Acrylic	PE Foam	· Superior shear strength · For aluminium, steel and GRP surfaces · High resistance to UV irradiation, temperature, solvents, moisture	· Decorative Trims · Displays · Glass Door Fixation · Oven Panel Mounting	3	4	4	3	2
1374	50		Transfer			2	4	4	4	1
13162	100	Modified Solvent Acrylic	Tissue	· Very high shear- and adhesion strength · High temperature resistance · For curved surfaces · High UV irradiation and chemical resistance	· Evaporators · Emblems · Insulation Panels · Displays · Small Parts · Decorative Trims	2	3	3	3	3
1396	130					3	4	2	3	4
1397	210		PET			3	4	4	4	4
3331TG	230		PVC			2	4	4	2	4

\* All shown products are shipped with a siliconised paper liner, product variations with alternative liners (PP, PE, etc.) are available

4 = highly recommended  
0 = not recommended

Strong Bonds for Your White Goods / Appliances  
**Engineered to Perform Better™**



**ORAFOL Europe GmbH**

Orafolstraße 2, D-16515 Oranienburg, Germany  
Tel: +49 (0)3301 864-0 · Fax: +49 (0)3301 864-100  
adhesive.tapes@orafol.de · www.orafol.com

