



# Interior Design

**ORACAL®**

**ORAJET®**

**ORAGUARD®**

**ORABOND®**

Engineered to Perform Better™



# ORAFOL Europe GmbH

## ORAFOL's Worldwide Locations





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Whether for artistic effect or simply to create privacy, the ORACAL® range of glass decoration films is the perfect cost-effective alternative to traditional etched glass. Within this range, there are films for long-term applications, as well as a version for large-sized graphics, and one that is easily removable.

**Etched Glass Cal**

ORACAL® 8510

Used for decorative design of shop windows and glass doors. Available in gold and silver-grey with hoarfrost effect, or an impression of etched, cut or sandblasted glass.

**Product benefits include:**

- Polymer PVC film (80 micron)
- Coarse and fine structure
- Wet application is recommended
- Solvent polyacrylate, permanent, transparent

**Etched Glass Cal – with RapidAir® Technology**

ORACAL® 8510RA



**RA product benefits also include:**

- The RapidAir® technology allows a rapid and bubble-free application
- RapidAir® requires less application time and cost

**Etched Glass Cal**

ORACAL® 8530

Exceptionally easy to remove

**Product benefits include:**

- Polymer PVC film (80 micron)
- **Exceptionally easy to remove**
- In silver with hoarfrost effect, or an impression of etched, cut or sandblasted glass (coarse and fine structure)
- For the decorative design of shop windows and glass doors
- Solvent polyacrylate, removable

**Digital Printing Film**

**NEW!**

ORAJET® 3851

Digital printing glass decor film

**Product benefits include:**

- Polymer PVC film (80 micron)
- **For digital printed glass decorations**
- Silvergrey with a fine structure
- For the decorative design of windows and glass doors
- Solvent polyacrylate, permanent



Example of ORACAL® 8510



Example of ORAJET® 3851

Where the goal is to obscure the view yet let in light, decorative glass films are the perfect solution.

The films can be used for the decoration of glass or plexiglass partitions in conference rooms, lobbies, offices and on shop windows. They can also be used for restaurant décors or for the decoration of room dividers or glass doors. It is a simple way to transform glass artistically, without permanently altering the window or compromising on light levels.

## Dusted Glass Cal

# ORACAL® 8710

Even more possibilities for decorative designs of glass areas, such as shop windows, room dividers and glass doors. Creates the look of a rough glass surface.

### Product benefits include:

- Polymer PVC film (70 micron)
- Medium glossy surface prevents unwanted light reflections
- Wet application is recommended
- Solvent polyacrylate, permanent, transparent

## Frosted Glass Cast

# ORACAL® 8810

For extra high quality glass decoration of shop windows and glass doors. Five variants available with hoarfrost effect.



### Product benefits include:

- Cast high-performance PVC film (80 micron)
- Eye-catching, glamorous glitter effects
- Extreme resistance to weathering and UV
- Wet application is recommended
- Solvent polyacrylate, permanent, transparent



Example of ORAJET® 3352F



Example of ORACAL® 8300 Transparent Cal

Photo: Courtesy of Ryerson, USA

For transparent glass decorations, the ORAFOL range includes full cover films in both coloured versions with a large range of colours, and an ultra clear version which embellishes glass surfaces with digitally printed designs.

**Optical Clear Film**

ORAJET® 3352F

With the digital printing film ORAJET® 3352F Optical Clear Film from ORAFOL, installation of glass decorations has never been easier. This optically clear film can be digitally printed, and the printed designs are then installed in full sheets making installation faster and easier than ever. In the areas on the film where there is no print, the ORAJET® 3352F film is so clear that it is hard to even notice the film. The film is suitable for indoor and short-term outdoor application and is easily removable.

**Product benefits include:**

- Ultra transparent top-coated polyester film (70 micron)
- Available with a glossy surface
- For indoor and short-term outdoor application on windows
- Wet installation possible
- Inkjet printing with solvent based inks, UV- or Latex inks
- Solvent polyacrylate, removable

**Digital Printing Film**

**NEW!**

ORAJET® 3952F

Ultra clear film for glass decorations

**Product benefits include:**

- Ultra transparent cast PVC film (50 micron)
- Available with a glossy surface for indoor and long-term outdoor application on windows
- Wet and dry installation possible
- Inkjet printing with solvent based inks, UV- or Latex inks
- Solvent polyacrylate, semi-permanent

**Transparent Cal**

ORACAL® 8300

Transparent film in 32 attractive colours for indoor and outdoor decorative design use on glass and plexiglass, especially window graphics.

**Product benefits include:**

- Transparent PVC film (80 micron) with UV stabilisers
- 32 glossy colours
- Solvent polyacrylate, permanent, transparent
- Dry and wet application



Example of ORAJET® 3352F



Example of ORACAL® 8300

The ORACAL® range of wall decoration films can be used to transform the entire look of a room or simply to add lettering or designs to walls e.g. exhibition stands, shops, restaurants. Available in a myriad of colours, the vinyls are easy to cut and apply and give an outstanding finish.

**Exhibition Cal**

ORACAL® 631

Very well suited for use on cutting plotter systems for short- and medium-term markings, letterings and decorations. Typical applications include decorations for exhibition stands and trade shows.



**Product benefits include:**

- Soft PVC film (80 micron)
- 60 colours; the matt surface suppresses unwanted reflections
- Excellent processing properties for cutting plotters
- We recommend application tape ORATAPE® LT95 or MT95
- Polyacrylate, removable
- Removable from most surfaces without residue

**Wall Art**

ORACAL® 638

For indoor applications such as markings, inscriptions and decorations, particularly on wallpaper. Creates unlimited design possibilities. Can also be used for private living rooms.



**Product benefits include:**

- Soft PVC Film (80 micron)
- Conforms well with the substrate
- Excellent processing on cutting plotters
- 57 colours; the matt surface suppresses unwanted reflections
- We recommend application tape: ORATAPE® LT95
- Polyacrylate, easily removable
- Within 2 years, the film can be removed from most surfaces without leaving a residue



Example of ORACAL® 638



Example of ORACAL® 631



Leading the way in exciting and innovative wall decoration films, the ORAJET® range of films is digitally printable, opening up endless possibilities for creative indoor designs. Adding a printed decoration or advertisement to an inner wall, is a great way to enhance any area.

**Wall Art Digital**

# ORAJET® 3268

For digitally printed indoor applications such as decorations or advertisements on inner walls. This 150 micron film is particularly suitable for large-sized designs.



**Product benefits include:**

- Soft PVC film (150 micron)
- White matt
- Polyacrylate, easily removable

**Wall Art Digital**

# ORAJET® 3628

For printed indoor applications such as decorations or advertisements on inner walls. This material is thinner than ORAJET® 3268, and is available in both white and transparent, as well as in glossy and matt finishes.



**Product benefits include:**

- Soft PVC film (80 micron)
- White and transparent, glossy and matt
- For indoor applications onto wall paper, e.g. decorations and advertisements
- Polyacrylate, removable

**Carpet Tape**

# ORABOND® 1352

Double-sided adhesive tape, used in the installation of carpets. With its high cohesion and easy removal properties, it is especially suited for use in conference centres and exhibition centres.

**Product benefits include:**

- Polyester film (23 micron)
- Covered side: permanent high-tack adhesive, Open side: removable adhesive



Example of ORAJET® 3268



Example of ORAJET® 3628

**Museum Nürnberg, Germany**

Eyecatching use of ORACAL® 8300

Transparent Cal





Daniel Buren, Memory picture Modulation.  
Work in situ, New Museum in Nuremberg, 2009  
(Photo: Annette Kradisch)

Floor graphics are an eye-catching, novel and impactful way to get your message across to the customer. They can be used to create brand attention, directional signage or advertising. Choose the correct skidding and abrasion resistant laminate and your image will be slip-free and stay sharp despite the heavy footfall.

**Floor Graphics Vinyl**

ORACAL® 1663

Floor graphics printing film - ideal for short-term applications such as promotions in sports halls or large shopping centres. Eye-catching graphics can make a great impression on visitors.



**Product benefits include:**

- Highly pigmented special PVC film (110 micron)
- White, gloss or matt finish
- Excellent opacity
- Recommended for digital or screen printing
- Substrate for the ORAFOL Floor Graphics System
- Solvent polyacrylate, removable, transparent

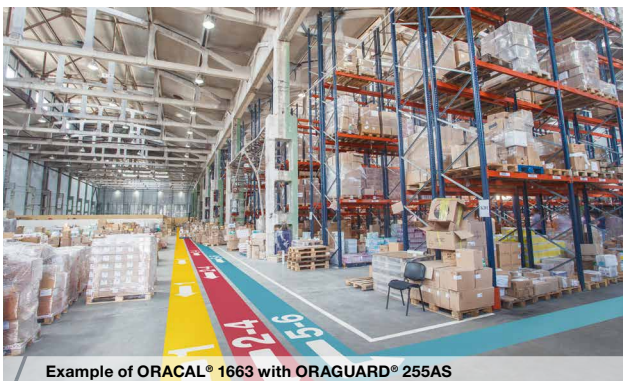
Floor graphics need to withstand scuffing from heavy foot traffic, moisture and even heavy transport. Choosing the right laminate is an important step for most floor graphic decorations.

ORAGUARD® 250AS / 255AS

Protective laminate for indoor floor applications with high resistance to skidding and abrasion.

**Product benefits include:**

- Special PVC film (ORAGUARD® 250AS: 120 micron; ORAGUARD® 255AS: 170 micron - fit for heavy transport and vehicles)
- Transparent, embossed surface
- Solvent polyacrylate, permanent, transparent



Example of ORACAL® 1663 with ORAGUARD® 255AS



Example of ORACAL® 1663 with ORAGUARD® 250AS

ORACAL® 975 Premium Structure Cast is a 3-D, structured surface film for interior/ exterior accent restyling. The film features exceptional dimensional stability and conformability over uneven, arched, curved and flat surfaces. With the wide range of surface textures available, almost unlimited creativity is possible in your designs.

**Premium Structure Cast**

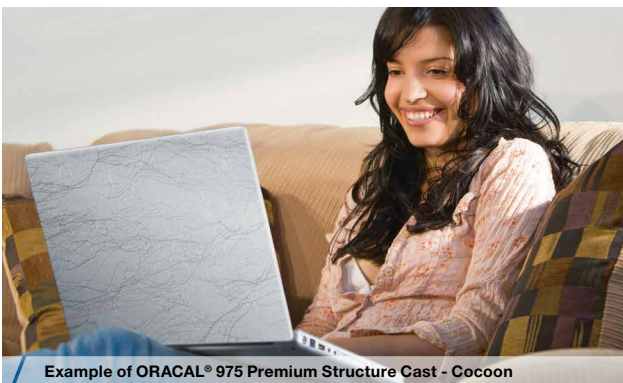
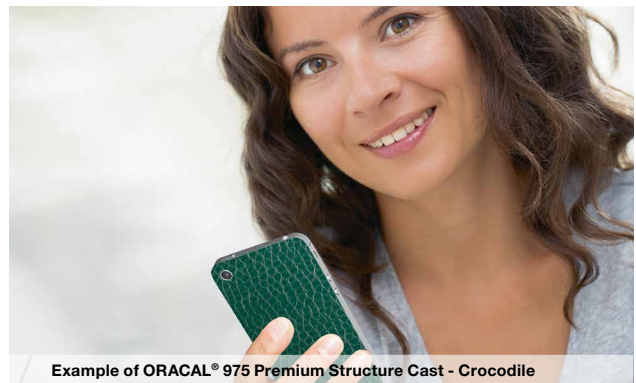
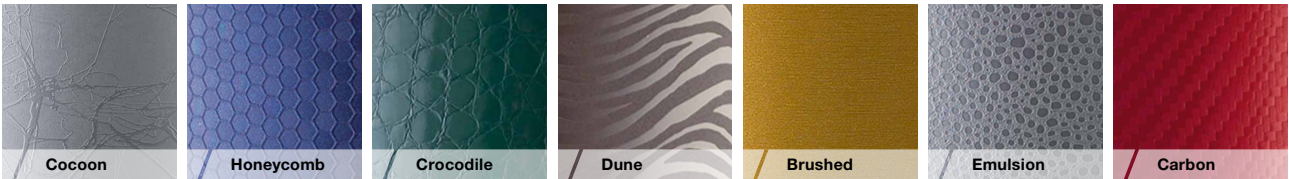
# ORACAL® 975

Seven different structures are available in a large range of colours. There is almost no limit to the way you can use these materials.

**Product benefits include:**

- Multi-layered Cast PVC (150 micron)
- Seven structured optics
- Several colours in each structure
- High dimensional stability and maintenance of surface finish
- For uneven and arched surfaces
- Solvent polyacrylate, repositionable, permanent

**Close ups:**



# Product Overview – Interior Design Materials

## Glass Decorations

Product	Short name	Front material	Colours / surfaces Gloss (G), Matt (M)	Adhesive	Covering material
<b>ORACAL® 8510</b>	Etched Glass Cal	Polymeric PVC film, 80 micron	Gold, silver-grey with fine or coarse structure	Solvent polyacrylate, permanent	Silicone coated paper on one side, white, 137 g/m <sup>2</sup>
<b>ORACAL® 8510RA</b>	Etched Glass Cal - <i>RapidAir®</i>	Polymeric PVC film, 80 micron	Gold, silver-grey with fine or coarse structure	Solvent polyacrylate, permanent	Double sided PE coated <i>RapidAir®</i> paper, one side siliconised, 145 g/m <sup>2</sup>
<b>ORACAL® 8530</b>	Etched Glass Cal	Polymeric PVC film, 80 micron	Silver-grey with fine or coarse structure	Solvent polyacrylate, removable	Silicone coated paper on one side, white, 137 g/m <sup>2</sup>
<b>ORAJET® 3851</b>	Digital Printing Film	Polymeric PVC film, 80 micron	Silvergry with fine structure	Solvent polyacrylate, permanent	Double sided PE coated paper, one side siliconised, 143 g/m <sup>2</sup>
<b>ORACAL® 8710</b>	Dusted Glass Cal	Polymeric PVC film, 70 micron	Translucent grey	Solvent polyacrylate, permanent	Silicone coated paper on one side, white, 137 g/m <sup>2</sup>
<b>ORACAL® 8810</b>	Frosted Glass Cast	Cast PVC film, 80 micron Extreme resistance to weathering and UV	5 hoarfrost effect	Solvent polyacrylate, permanent	Special polyester film, 100 micron
<b>ORACAL® 8300</b>	Transparent Cal	UV stabilised transparent coloured PVC film, 80 micron	32 gloss <sup>3</sup>	Solvent polyacrylate, permanent	Silicone coated paper on one side, white, 137 g/m <sup>2</sup>
<b>ORAJET® 3352F</b>	Optical Clear Film	Ultra clear, top-coated polyester film, 70 micron	Transparent (G)	Solvent polyacrylate, removable	Polyester film, siliconised on one side, 36 micron
<b>ORAJET® 3952F</b>	Digital Printing Film	Ultra clear cast PVC film, 50 micron	Transparent (G)	Solvent polyacrylate, semi-permanent	Polyester film, siliconised on one side, 75 micron

## Wall Decorations

Product	Short name	Front material	Colours / surfaces Gloss (G), Matt (M)	Adhesive	Covering material
<b>ORACAL® 631</b>	Exhibition Cal	Soft PVC film 80 micron	60 matt	Polyacrylate, easily removable <sup>4</sup>	Silicone coated paper on one side, white, 135 g/m <sup>2</sup>
<b>ORACAL® 638</b>	Wall Art	Soft PVC film 80 micron	57 matt	Polyacrylate, easily removable	Silicone coated paper on one side, white, 135 g/m <sup>2</sup>
<b>ORAJET® 3268</b>	Wall Art Digital	Extra thick soft PVC film 150 micron	White (M)	Polyacrylate, easily removable	Silicone coated paper on one side, white, 135 g/m <sup>2</sup>
<b>ORAJET® 3628</b>	Wall Art Digital	Soft PVC film 80 micron	White (G,M) Transparent (G,M)	Polyacrylate, easily removable	Silicone coated paper on one side, white, 135 g/m <sup>2</sup>

## Floor Graphics

Product	Short name	Front material	Colours / surfaces Gloss (G), Matt (M)	Adhesive	Covering material
<b>ORACAL® 1663</b>	Floor Graphics Vinyl	Highly pigmented special PVC film 110 micron	White (G)	Solvent polyacrylate, removable, transparent	Silicone coated paper, 135 g/m <sup>2</sup>
<b>ORAGUARD® 250AS</b>	Protective Laminate for Floor Graphics Vinyl	Special PVC film, 120 micron	Transparent, raised non-skid surface	Solvent polyacrylate, permanent	Silicone coated paper, white, 90 g/m <sup>2</sup>
<b>ORAGUARD® 255AS</b>	Protective Laminate for Floor Graphics Vinyl	Special PVC film, 170 micron	Transparent, raised non-skid surface	Solvent polyacrylate, permanent	Silicone coated paper, white, 90 g/m <sup>2</sup>

## Furniture and Allround Decorations

Product	Short name	Front material	Colours / surfaces Gloss (G), Matt (M)	Adhesive	Covering material
<b>ORACAL® 975</b>	Premium Structure Cast	Multi-layered cast PVC film, 150 micron	Various structured designs available in several colours	Solvent polyacrylate, re-positionable, permanent transparent	Double sided PE coated paper, one side siliconised 143 g/m <sup>2</sup>

## Carpet Tape

Product	Short name	Carrier	Adhesive colour	Adhesive	Covering material
<b>ORABOND® 1352</b>	Carpet Tape	Polyester film 23 micron	Transparent	Covered side: Rubber Open side: Modified dispersion acrylate	Siliconised paper, white, 90 g/m <sup>2</sup>

<sup>1</sup> Adhered to glass

<sup>2</sup> Adhered to acrylic glass

<sup>3</sup> Special colours upon request

<sup>4</sup> By specialist application: within 2 years can be removed from most substrates without leaving a residue

Area of use	Adhesive power <sup>5</sup>	Minimum application temperature	Service life in exterior application <sup>7</sup>	Widths (mm)	Lengths (m)
Developed for glass areas, to achieve a hoar-frost effect or an impression of etched, cut or sandblasted glass. It is specially used for the decoration of shop windows and glass doors. Suitable for use on cutting systems. Wet application is recommended.	18 N/25 mm <sup>1</sup> 16 N/25 mm <sup>2</sup>	>+8° C	7 years	1260	50
Developed for glass areas, to achieve a hoar-frost effect or an impression of etched, cut or sandblasted glass. It is specially used in the decoration of shop windows and glass doors. Suitable for use on cutting systems. The <i>RapidAir</i> ® technology enables easy and quick bubble-free application, especially of large-sized graphics or decals. Entrapped air can be easily removed simply by rubbing the film. Suitable for even or slightly curved surfaces.	18 N/25 mm <sup>1</sup> 16 N/25 mm <sup>2</sup>	>+8° C	7 years	1260	50
Developed for glass areas, to achieve a hoar-frost effect or an impression of etched, cut or sandblasted glass. It is ideally suited for the decoration of shop windows and glass doors. Suitable for use on cutting plotter systems. Easy removal.	6 N/25 mm	>+8° C	5 years	1260	50
Developed for glass areas, to achieve a hoar-frost effect or an impression of etched, cut or sandblasted glass. It is specially used for the decoration of shop windows and glass doors. Wet application is recommended for digital printing.	18 N/25 mm <sup>1</sup> 16 N/25 mm <sup>2</sup>	>+8° C	7 years	1370 1520	25 50
Developed for use in the decoration of glass areas, to achieve a rough glass surface. It is especially suited for use in the design of shop windows, room dividers and glass doors. Suitable for use on cutting plotter systems. Wet application is recommended.	18 N/25 mm <sup>1</sup> 16 N/25 mm <sup>2</sup>	>+8° C	7 years	1260	50
Developed for glass areas, to achieve a hoar-frost or freezing effect. It is specially used for the decorative designing of shop windows and glass doors. Suitable for use on plotter cutting systems. Wet application is recommended.	16 N/25 mm <sup>1</sup> + <sup>2</sup>	>+8° C	7 years	378 500 630	1000 1260
This film is especially designed for high-quality window graphics. It meets the requirements of the computerised sign-marking industry. Both dry and wet applications are possible, and the adhesive does not change colour.	18 N/25 mm <sup>1</sup> 16 N/25 mm <sup>2</sup>	>+8° C	5 years	378 500 630	1000 1260
Used for ultra clear colourful advertising and glass decorations, for indoor and short-term outdoor application on windows. Dry and wet applications are possible.	2 N/25 mm	>+10° C	1 year	1370 1520	25 50
Used for ultra clear colourful advertising and glass decorations, for indoor and long-term outdoor application on windows. Dry and wet applications are possible.	12 N/25 mm	>+10° C	7 years	1370 1520	50

Area of use	Adhesive power <sup>5</sup>	Minimum application temperature	Service life in exterior application <sup>6</sup> <sup>7</sup>	Widths (mm)	Lengths (m)
Very well suited for use on cutting plotter systems. For short- and medium-term marking, lettering and decoration in e.g. exhibition buildings and on trade show stands. It is recommended to use the application tape ORATAPE® LT95 or MT95.	7 N/25 mm	>+10° C	3 years	378 500 630	1000 1260
For indoor applications such as markings, inscriptions and decorations applied to wall paper surfaces. Very well suited for use on cutting plotter systems. It is recommended to use the application tape ORATAPE® LT 95.	6 N/25 mm	>+10° C	2 years	378 500 630	1000 1260
For indoor applications onto wall paper, e.g. decorations and advertisements	6 N/25 mm	>+10° C	2 years	760 1370 1520	50
For indoor applications onto wall paper, e.g. decorations and advertisements	7 N/25 mm	>+10° C	2 years	760 1370 1520	50

Area of use	Adhesive power <sup>5</sup>	Minimum application temperature	Service life in exterior application <sup>7</sup>	Widths (mm)	Lengths (m)
Suitable as printing material for ORAFOL floor graphics systems. The material has an excellent opacity suppressing colour shadows of the floor surface. The high-quality solvent polyacrylate adhesive guarantees removal without residue.	5 N/25 mm	>+8° C	3 years	1000 1260 1370	1400 1520
With its high skid resistance and its low abrasion, this product is especially suitable for the protection of floor graphics in indoor applications. It meets the coefficient of sliding friction for sports floors required by the DIN V 18032-2.	12 N/25 mm	>+8° C	3 months	1050 1300 1370	1400 1550
With its high skid resistance and low abrasion, it is especially suitable for the protection of indoor floor graphics. It is extremely stress resistant. It meets the coefficient of sliding friction for sports floors required by the DIN V 18032-2.	12 N/25 mm	>+8° C	6 months	1050 1300 1400	50

Area of use	Adhesive power <sup>5</sup>	Minimum application temperature	Service life in exterior application <sup>7</sup>	Widths (mm)	Lengths (m)
Developed for decorative surface refinement for e.g. furniture. Suitable for uneven and slightly curved surfaces.	22 N/25 mm	>+15° C	5 years metallic colours: 3 years	1520	10 25 50

Area of use	Adhesive 180° peel (N/25 mm)	Minimum application temperature	Widths (mm)	Lengths (m)
Removable carpet tape for exhibitions and other applications requiring easy removability. The covered side is equipped with a permanent adhesive and the open side with a removable adhesive.	Covered side: 42 Open side: 7	>+18° C	12 19 25	38 50 25 50

<sup>5</sup> Adhered to steel<sup>6</sup> In indoor application nearly unlimited service life<sup>7</sup> not printed

Interior Design Materials  
**Engineered to Perform Better™**



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