Graphic Innovations

Interior Design

Engineered to Achieve Perfection™

ORAFOL®

ORAFOL Europe GmbH

Headquarters and production facility

ORAFOL is one of the world's leading manufacturers of innovative self-adhesive graphic films, reflective materials and adhesive tape systems. The international ORAFOL GROUP is headquartered just outside the city gates of Berlin, in Oranienburg.

ORAFOL's Worldwide Locations

ORAFOL Canada
Oakville

ORAFOL Americas
Rochester, USA

Kay Automotive Graphics
Lake Orion, USA

NUPRO Advanced TPU Films
South Deerfield, USA

ORAFOL Americas
Avon, USA

ROWLAND Advanced Polymer Films
Wallingford, USA

ORAFOL Americas
Black Creek, USA

Kay Gráficas Automotrices
Saltillo, Mexico

ORAFOL Europe
Waterford, Ireland

Kay Premium Marking Films
Newport, UK

ORAFOL Russia
Pskov

ORAFOL Europe, Headquarters
Oranienburg, Germany

ORAFOL Fresnel Optics
Apolda, Germany

ORAFOL Turkey
Istanbul

ORAFOL India
New Delhi

ORAFOL Middle East
Dubai

ORAFOL China
Xiamen

ORAFOL Taiwan
Taipei

ORAFOL Japan
Tokyo

ORAFOL Safety Systems
Johannesburg, South Africa

ORAFOL Australia
Perth

ORAFOL Australia
Adelaide

ORAFOL Australia
Melbourne

ORAFOL Australia
Brisbane

ORAFOL Australia
Sydney

Interior Design Materials

Find the right solution for your needs
ORAFOL offers a complete product range for graphics applications used in interior designs.

Made in Germany.

Glass Decoration

Whether for artistic effect or simply to create privacy, the ORACAL® range of glass decoration films is the perfect 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. The wide range of different visual appearances of the films enable unlimited creativity in designs.

Frosted Glass Cast

ORACAL® 8810

DIN
EN 13501-1

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

· Cast high-performance PVC film (80 micron)
· Eye-catching, glamorous hoarfrost effects
· Good resistance to weathering and UV
· Wet application is recommended
· Solvent polyacrylate, permanent
· Approved to DIN EN 13501-1

Etched Glass Cal

ORACAL® 8510

DIN
EN 13501-1

Etched Glass Cal – with *Rapid*Air® Technology

ORACAL® 8510RA

DIN
EN 13501-1

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.

· Polymer PVC film (80 micron)
· Coarse and fine structure
· Wet application is recommended
· Solvent polyacrylate, permanent
· Approved to DIN EN 13501-1

Special for the *Rapid*Air® version:
· Wet application is recommended
· Solvent polyacrylate, permanent
· The *Rapid*Air® technology allows a rapid and bubble-free application, and requires less application time and cost

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.

Etched Glass Cal

ORACAL® 8530

Exceptionally easy to remove. It is ideally suited for the decoration of shop windows and glass doors.

· 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
· Wet application is recommended
· Solvent polyacrylate, removable

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.

· Polymer PVC film (70 micron)
· Medium glossy surface prevents unwanted light reflections

· Wet application is recommended
· Solvent polyacrylate, 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.

· Transparent PVC film with UV stabilisers (80 micron)
· 32 glossy colours
· Solvent polyacrylate, permanent

· Dry and wet application
· Approved to DIN EN 13501-1

DIN
EN 13501-1

Printed Glass Decoration

Printed decorations on window panes have never been easier. In the ORAJET® range you will find both ultra clear printable films, as well as finely structured film for printed designs on shop windows, glass doors, partitions etc.

Digital Printing Film

ORAJET® 3851

Printable glass decoration film with a silver grey fine structure and a silver crystal effect is created behind the print.

· Polymer PVC film (80 micron)
· For digitally printed glass decorations
· Silver grey with a fine structure
· For decorative designs on windows and glass doors
· Wet application is recommended
· Inkjet printing with solvent-based inks or UV-inks
· Solvent polyacrylate, permanent

Digital Printing Film

ORAJET® 3952F

Ultra clear film for glass decorations

· Optical clear, glossy premium cast film (50 micron)
· Available with a glossy surface for indoor and long-term outdoor application on windows
· Wet application is recommended
· Inkjet printing with solvent based inks, UV- or Latex inks
· Solvent polyacrylate, semi-permanent
· Recommended lamination film: ORAGUARD® 252F

Optical Clear Film

ORAJET® 3352F

Ultra clear film for glass decorations

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

ORAGUARD® 252F

Ultra clear film for the protection of digitally printed large format images in indoor and outdoor applications.

· Ultra clear premium cast PVC film (50 micron)
· Highest level of UV protection
· Glossy
· Solvent polyacrylate, permanent

Wall Art - CAD/CAM

The ORACAL® range of wall art 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.

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.

· 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
· Approved to DIN EN 13501-1

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.

· Soft PVC film (80 micron)
· 60 colours; the matt surface suppresses unwanted reflections
· Excellent processing properties for cutting plotters

· Polyacrylate, removable
· Removable from most surfaces without residue
· Approved to DIN EN 13501-1

Wall Art - Digital Printing

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

DIN
EN 13501-1

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

· Soft PVC film (150 micron)
· White matt
· For indoor applications onto wall paper, e.g. decorations and advertisements
· Inkjet printing with solvent based inks, UV- or latex inks
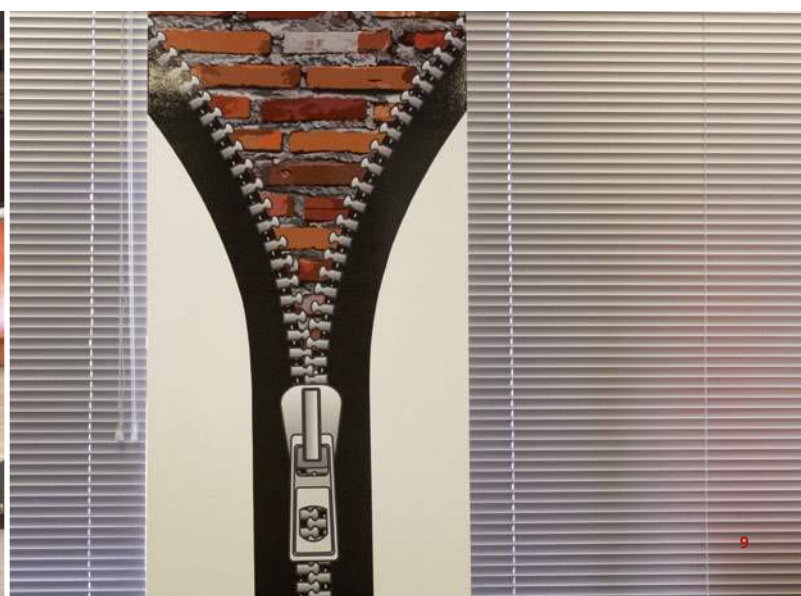· Polyacrylate, easily removable
· Approved to DIN EN 13501-1

Wall Art Digital

ORAJET® 3628

DIN
EN 13501-1

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.

· Soft PVC film (80 micron)
· White and transparent, glossy and matt
· For indoor applications onto wall paper, e.g. decorations and advertisements
· Inkjet printing with solvent based inks, UV- or latex inks
· Polyacrylate, easily removable
· Approved to DIN EN 13501-1

Green solutions by ORAFOL

Preserving the environment is a responsibility we all share. Using sustainable components is one important step towards minimizing our global footprint.

The ORAJET® product range by ORAFOL includes a full range of PVC free options, which will enable you to unleash your creativity whilst staying environmentally friendly. These high-quality PVC-free materials are the perfect solution for any printed decoration application, and will allow you to freely design without having to compromise on any sustainability concerns.

As a company, ORAFOL is of course also fully certified to ISO 9001, ISO 14001 and ISO 50001. We all have a shared responsibility to preserve nature and to minimize our global footprint for future generations, and this is every day turned into action in all of the worldwide locations in the ORAFOL Group.

MANAGEMENT SYSTEM CERTIFICATION

DNV·GL

ISO 9001 ISO 14001
ISO 50001

PVC Free Solutions

ORAJET® 3172X

For brilliant and colourful advertising efforts, for indoor and short-term outdoor use.

· PVC-free digital printing film
· Based on a top-coated white polypropylene (100 micron)
· White, glossy surface
· For indoor and short-term outdoor use
· Inkjet printing with solvent-based inks, also suitable for UV and latex inks
· Polyacrylate, removable, grey
· Approved to DIN EN 13501-1
· Certificate for laser cutting suitability

ORAJET® 3174

For brilliant and colourful advertising for indoor and short-term outdoor use.

· PVC-free digital printing film
· Based on a top-coated white polypropylene (100 micron)
· White, glossy surface
· For indoor and short-term outdoor use
· Solvent-based inkjet printing, also suitable for UV and latex inks
· Polyacrylate, permanent
· Approved to DIN EN 13501-1

ORAJET® 3174X

For brilliant and colourful advertising, for indoor and short-term outdoor use. Suitable for even and slightly curved surfaces.

· PVC-free digital printing film
· Based on a top-coated white polypropylene (100 micron)
· Glossy or matt surface
· For indoor and short-term outdoor use
· Inkjet printing with solvent-based inks, also suitable for UV and latex inks
· Polyacrylate, permanent, grey
· Approved to DIN EN 13501-1

ORAGUARD® 236

For the protection of large digitally printed formats for indoor and short-term outdoor use.

· Highly transparent, PVC-free laminating film (60 micron)
· Effective UV protection
· Glossy
· For indoor and short-term outdoor use
· Recommended in combination with ORAJET® 3172X, 3174 and 3174X
· Polyacrylate, permanent

Floor Graphics

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

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.

· 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
· Approved to DIN EN 13501-1

Anti-Slip Over-Laminating Film

ORAGUARD® 250AS / 255AS

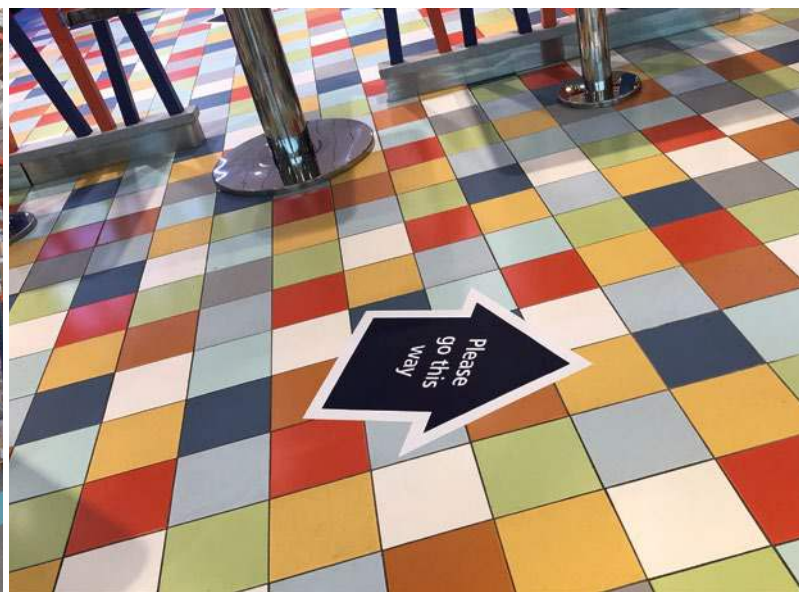Protective laminate for indoor floor applictions with high resistance to skidding and abrasion.

· Special PVC film (ORAGUARD® 250AS: 120 micron; ORAGUARD® 255AS: 170 micron - fit for heavy transport and vehicles)

· Transparent, embossed surface
· Solvent polyacrylate, permanent

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

Furniture Decoration

Upgrade, renovate or transform your furniture with ORACAL® 975 Premium Structure Cast

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.
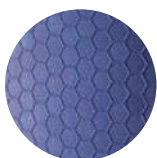
Premium Structure Cast

ORACAL® 975

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

· Multi-layered Cast PVC (150 micron)
· Five structured optics
· Several colours in each structure
· High dimensional stability and maintenance of surface finish

· For uneven and arched surfaces
· Solvent polyacrylate, repositionable with permant final adhesion

Close ups:

| Cocoon | Honeycomb | Crocodile | Brushed | Carbon |

Product Overview – Interior Design Materials

	Product	Short name	Front material	Colours / surfaces Gloss (G), Matt (M)	Adhesive	Release liner
Glass Decorations	ORACAL® 8810	Frosted Glass Cast	High performance cast PVC film, 80 micron, good resistance to weathering and UV	5 hoarfrost effect	Solvent polyacrylate, permanent	Special polyester film, 100 micron
	ORACAL® 8510	Etched Glass Cal	Polymer PVC film, 80 micron	Gold, silver-grey with fine or coarse structure	Solvent polyacrylate, permanent	Silicone coated PE paper on both sides, 137g/m²
	ORACAL® 8510RA	Etched Glass Cal *Rapid*Air®	Polymer PVC film, 80 micron	Gold, silver-grey with fine or coarse structure	Solvent polyacrylate, permanent	Double sided PE coated *Rapid*Air® paper, one side siliconised, 145 g/m²
	ORACAL® 8530	Etched Glass Cal	Polymer PVC film, 80 micron	Silver-grey with fine or coarse structure	Solvent polyacrylate, removable	Silicone coated PE paper on both sides, 137 g/m²
	ORACAL® 8710	Dusted Glass Cal	Polymer PVC film, 70 micron	Reduced surface gloss	Solvent polyacrylate, permanent	Silicone coated paper on one side, 137 g/m²
	ORACAL® 8300	Transparent Cal	Transparent PVC film, 80 micron	32 (G) ❸	Solvent polyacrylate, permanent	Silicone paper coated on one side, 137g/m²
	ORAJET® 3851	Digital Printing Film	Polymer PVC film, 80 micron	Silvergrey with fine structure	Solvent polyacrylate, permanent	Double sided PE coated paper, one side siliconised, 143 g/m²
	ORAJET® 3952F	Digital Printing Film	Optical clear cast PVC film, 50 micron	Transparent (G)	Solvent polyacrylate, semi-permanent	Polyester film, siliconised on one side, 75 micron
	ORAJET® 3352F	Optical Clear Film	Ultra clear, top-coated polyester film, 70 micron	Transparent (G)	Solvent polyacrylate, removable	Polyester film, siliconised on one side, 36 micron
	ORAGUARD® 252F	Premium Cast PVC film	Ultra clear film, 50 micron	Highly transparent (G)	Solvent polyacrylate, permanent	Polyester film, siliconised on one side, 75 micron
Wall Decorations	ORACAL® 631	Exhibition Cal	Soft PVC film, 80 micron	60 (M)	Polyacrylate, removable ❹	Silicone coated paper on one side, 135 g/m²
	ORACAL® 638	Wall Art	Soft PVC film, 80 micron	57 (M)	Polyacrylate, easily removable	Silicone coated paper on one side, 135 g/m²
	ORAJET® 3268	Wall Art Digital	Soft PVC film, 150 micron	White (M)	Polyacrylate, easily removable	Silicone coated paper on one side, 135 g/m²
	ORAJET® 3628	Wall Art Digital	Soft PVC film, 80 micron	White (G,M) Transparent (G,M)	Polyacrylate, easily removable	Silicone coated paper on one side, 135 g/m²
Floor Graphics	ORACAL® 1663	Floor Graphics Vinyl	Highly pigmented special PVC film, 110 micron	White (G,M)	Solvent polyacrylate, removable	Silicone coated paper, 135 g/m²
	ORAGUARD® 250AS	Protective Laminate for Floor Graphics Vinyl	Special PVC film, 120 micron	Transparent, raised non-skid surface	Solvent polyacrylate, permanent	Sililcone coated paper, 90 g/m²
	ORAGUARD® 255AS	Protective Laminate for Floor Graphics Vinyl	Special PVC film, 170 micron	Transparent, raised non-skid surface	Solvent polyacrylate, permanent	Sililcone coated paper, 90 g/m²
Allround Decorations	ORACAL® 975	Premium Structure Cast	Multi-layered cast PVC film, 150 micron	5 structures available in several colours	Solvent polyacrylate, re-positionable	Double sided PE coated paper, one side siliconised 143 g/m²
Carpet Tape	ORABOND® 1352	Carpet Tape	Polyester film, 190 micron	Transparent	Covered side: Rubber Open side: Modified dispersion acrylate	Siliconised paper, white, 90 g/m²
PVC free	ORAJET® 3172X	PVC-free Digital Printing Film	Top-coated white polypropylene film, 100 micron	White (G)	Polyacrylate, removable	Silicone coated paper on one side, 135g/m²
	ORAJET® 3174	PVC-free Digital Printing Film	Top-coated white polypropylene film, 100 micron	White (G)	Polyacrylate, permanent	Silicone coated paper on one side, 135g/m²
	ORAJET® 3174X	PVC-free Digital Printing Film	Top-coated white polypropylene film, 100 micron	White (G, M)	Polyacrylate, permanent, grey	Silicone coated paper on one side, 135 g/m²
	ORAGUARD® 236	PVC-free Protective Laminate	Polypropylene based laminating film, 60 micron	Transparent (G)	Polyacrylate, permanent	Silicone coated paper on one side, 135 g/m²

❶ Adhered to glass
❷ Adhered to acrylic glass
❸ Special colours upon request
❹ By specialist application: within 2 years can be removed from most substrates without leaving a residue

Area of use	Adhesive power ❺	Minimum application temperature	Service life in exterior application ❻❼	Widths (mm)		Lengths (m)
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 ❷	> +8° C	7 years	378 500 630	1000 1260	25 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. Suitable for use on cutting systems. Wet application is recommended.	18 N/25 mm ❶ 16 N/25 mm ❷	> +8° C	7 years	378 500 630	1000 1260 1520 (only 090)	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 *RapidAir®* 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 ❶ 16 N/25 mm ❷	> +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 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 ❶ 16 N/25 mm ❷	> +8° C	7 years	1260		50
This film is especially designed for high-quality window graphics. It meets the requirements of the computerised sign-marking industry. Wet application is recommended.	18 N/25 mm ❶ 16 N/25 mm ❷	> +8° C	5 years	378 500 630	1000 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.	18 N/25 mm ❶ 16 N/25 mm ❷	> +8° C	7 years	1370		50
Used for ultra clear colourful advertising and glass decorations, for indoor and long-term outdoor application on windows. Wet application is recommended.	12 N/25 mm	> +10° C	7 years	1370 1520		50
Used for ultra clear colourful advertising and glass decorations, for indoor and short-term outdoor application on windows. Wet application is recommended.	2 N/25 mm	> +10° C	1 year	1370 1520		25 50
For protection of digitally printed large-format pictures in indoor and outdoor applications. Recommended in combination with ORAJET® 3952F.	12 N/25 mm	> 8° C	8 years	1370 1520		50
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	50
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	50
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	6 N/25 mm	> +10° C	2 years	760 1370 1520		50
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	50
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	Without step load: Indoors 5 years Outdoors 2 years With step load: < 6 months	950 1050 1300	1370 1400 1550	50
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	Without step load: Indoors 5 years Outdoors 2 years With step load: < 1 year	1050 1300	1400 1550	50
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		25 50
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 50	25 50
For brilliant and colourful advertising efforts, for indoor and short-term outdoor use. Suitable for even and slightly curved surfaces.	2 N/25 mm	> +10° C	2 years	1370		50
For brilliant and colourful advertising for indoor and short-term outdoor use. Suitable for even and slightly curved surfaces.	16 N/25 mm	> +10° C	2 years	1370		50
For brilliant and colourful advertising, for indoor and short-term outdoor use. Suitable for even and slightly curved surfaces.	16 N/25 mm	> +10° C	2 years	1370		50
For the protection of large digitally printed formats for indoor and short-term outdoor use.	12 N/25 mm	> +10° C	2 years	1370		50

❺ Adhered to steel
❻ In indoor application nearly unlimited service life
❼ not printed

Engineered to Achieve Perfection™

Interior
Design

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Find out more about our products at: www.orafol.com