

**PLEXIGLAS®**  
for Furniture and Interior Design





# Discover PLEXIGLAS® — the original!

What exactly distinguishes Röhm's branded acrylic from all the other acrylics in the world? PLEXIGLAS® is the original, invented in 1933, and a brand name of Röhm GmbH. With remarkable pioneering spirit, a passion for innovation, and decades of experience, the original material, a transparent sheet, has now evolved into an entire product family:

PLEXIGLAS® is available, for example, as matt, colored, or light-diffusing variants, with a variety of surfaces and many different functional properties.

**Let your inspiration roam free with the widely varied options available for furniture and contemporary interior concepts!**



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### Various forms:

- Solid sheets and blocks
- Tubes and rods
- Multi-skin and corrugated sheets
- Films

### Ideal properties for individual design:

- Sophisticated appearance
- Outstanding light transmission and brilliance
- Large variety of colors and surfaces
- Low weight
- Break resistance
- Easy to process and install
- Durability
- UV resistance
- Large sheet sizes

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- 3 Illuminated rear panels in cabinets
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- PLEXIGLAS® GS/XT
- PLEXIGLAS® Hi-Gloss
- PLEXIGLAS® LED
- PLEXIGLAS® Optical
- PLEXIGLAS® proTerra
- PLEXIGLAS® Reflections
- PLEXIGLAS® Satinice
- PLEXIGLAS® Textures
- PARAPAN®

# Furniture and interior design

## Extraordinary variety of color and form.

## Easy to process.

### Free scope for ideas

Design ideas for furniture and interiors are as varied as the spaces for which they are conceived. PLEXIGLAS® and PARAPAN® offer plenty of scope for ideas: The materials are available in an extraordinary variety of colors, forms, and surfaces.

### Simple to use

PLEXIGLAS® and PARAPAN® are easily brought into almost any form, allowing creative ideas to be translated into real objects in furniture and interior design. They are also highly functional, break resistant, and easily fabricated, as well as durable and easy to clean. They can be processed with common woodworking tools—and can therefore be integrated into existing production processes.

### A variety of surfaces

In addition to the form, the subsequent design also influences the choice of material: High-gloss or transparent

surfaces make spaces appear larger; matt surfaces, on the other hand, impress with soft-touch haptics and anti-fingerprint properties. PLEXIGLAS® and PARAPAN® offer many different colors and surfaces. With its special coating, PLEXIGLAS® Optical is also more resistant to scratching, abrasion, moisture, solvents, and household cleaners.

### Suitable even for special requirements

Due to its pore-free surface, PLEXIGLAS® is also suitable for use in bathrooms, kitchens, and other spaces with demanding hygiene requirements.

As picture glazing, for example, it also protects sensitive colors and inks thanks to its outstanding UV resistance and the resulting fastness to light.

Mirrors are to be found almost everywhere in interior design. PLEXIGLAS® Reflections always offers an alternative to real glass when particularly lightweight or break resistant mirrors are required.

- PLEXIGLAS® GS/XT
- PLEXIGLAS® Hi-Gloss
- PLEXIGLAS® LED
- PLEXIGLAS® Optical
- PLEXIGLAS® proTerra
- PLEXIGLAS® Reflections
- PLEXIGLAS® Resist
- PLEXIGLAS® Satinice
- PLEXIGLAS® Textures
- PARAPAN®



- 1 Counters
- 2 Formed objects
- 3 Displays
- 4 Menu boards
- 5 Furniture

# Shopfitting and exhibition construction

## Eye-catching. Versatile. Durable.

### Make your brand

Stand out in the hustle and bustle of the trade show, attract attention in the shopping mall: The design versatility offered by PLEXIGLAS® and PARAPAN® helps you make your mark in exhibition booths and store fixtures.

Illuminated wall paneling, counters, shelves, and furniture backs made from PLEXIGLAS® attract attention. At the same time, the illuminated elements also serve to show the brand identity with high visibility. Because PLEXIGLAS® is also easily machined and can be colored and even printed as required, you can create sophisticated brand identities precisely tailored to corporate colors, collections, and trends.

### Appropriate to any concept

PLEXIGLAS® and PARAPAN® display merchandise to best advantage because, with their versatility, they offer scope for any design concept with trade show and store fixtures. High-gloss wall paneling, counter fronts, and furniture, for example, enhance an elegant, sophisticated

ambience. They also make rooms appear larger. Semitransparent PLEXIGLAS® doors and partitions, on the other hand, separate spaces from one another, creating a cozy atmosphere or a place of retreat.

Being easy to clean and resistant to wear and tear, PLEXIGLAS® and PARAPAN® retain their attractive appearance over the long term. Variants with abrasion-resistant coatings are also available for particularly heavily used surfaces such as wipe-off marker boards.

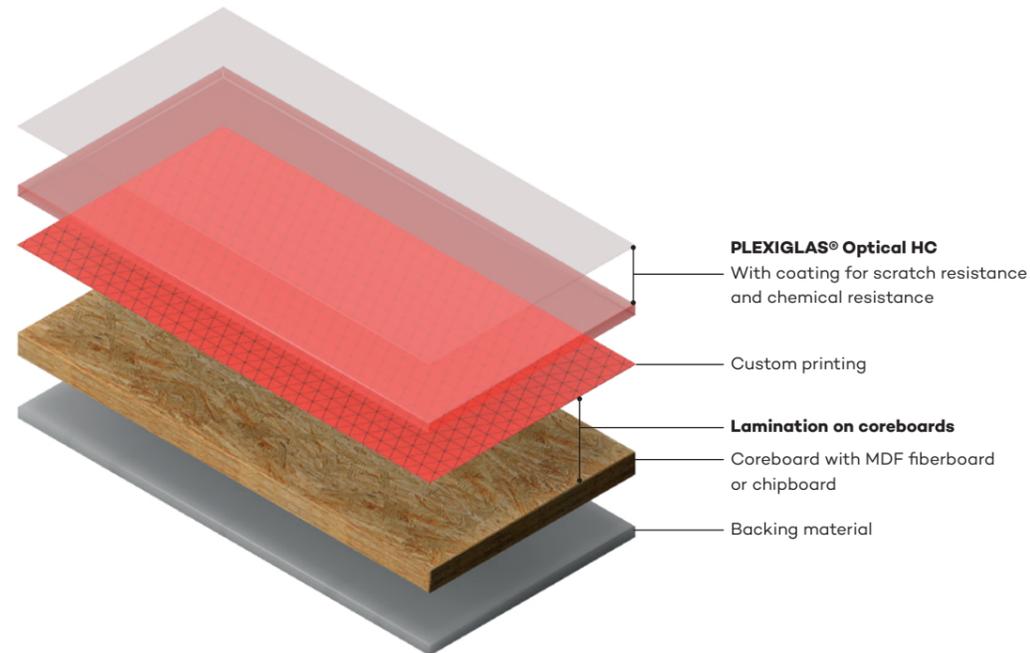
*Details on visual communication at the POS are available in brochure 511-8, PLEXIGLAS® for visual communication and shopfitting.*

**PLEXIGLAS® Hi-Gloss**

**PLEXIGLAS® Optical**

**PLEXIGLAS® Reflections**

**PARAPAN®**



## Furniture fronts

# High gloss. Resistance.

# High grade.

### **PLEXIGLAS® combines well with other materials**

Furniture fronts need to look good and also be able to withstand a lot of wear and tear. Laminates offer a durable and customizable alternative to, for example, real wood. PLEXIGLAS® is well suited for lamination on typical coreboards, such as wood-based materials, in furniture construction. This allows the visual qualities and durability of PLEXIGLAS® to be combined with the mechanical properties of proven materials.

### **PLEXIGLAS® for even greater variety**

PLEXIGLAS® can be easily printed, opening up a very wide range of options for individual designs and color variants.

The gloss level and special deep-view effect of the material lend a sophisticated appearance to furniture fronts that are at the same time easy to maintain. Products with a surface coating, such as PLEXIGLAS® Optical are especially robust. The user benefits here from the scratch resistance and chemically resistant surface coating.

### **PARAPAN® is weather-resistant**

Alternatively, PARAPAN® is suitable for weather-resistant furniture fronts for outdoor use. Integrated recessed handles and fitting holes can be incorporated directly into the completely colored material. Surface defects can easily, and if necessary repeatedly, be polished out so that the unique gloss is retained over the long term.



### At a glance:

- Excellently suited for lamination on coreboards
- Good printability allows an infinite number of designs and color variants
- Abrasion- and chemical-resistant surface coatings enable durable and sustainable products

PLEXIGLAS® GS/XT

PLEXIGLAS® Hi-Gloss

PLEXIGLAS® Optical

PLEXIGLAS® proTerra

PLEXIGLAS® Reflections

PARAPAN®



## Wall paneling Seamless. Large. Flexible.

### PLEXIGLAS® makes rooms look bigger

Large vertical surfaces give even small rooms a more spacious appearance. PLEXIGLAS® offers a suitable seamless solution for every space—whether elegantly monochrome with a special deep-view effect, or infinitely customizable. PLEXIGLAS® is always the optimal choice when the material is to be break-resistant and durable but significantly lighter than glass or ceramic tiles.

### PLEXIGLAS® is the flexible solution

Wall paneling using PLEXIGLAS® Optical can also serve in the office as an additional marker board. In children's rooms, the paneling, designed by digital printing so as to be child-friendly, scores as a robust and wipeable creative area.

### At a glance:

- Large sizes for seamless surfaces
- Excellently suited to both renovation and new buildings
- Easily installed over an existing wall covering
- Ideal for for wipeable wall coverings

### PLEXIGLAS® is easily installed on site

Being hygienic and easy to clean, PLEXIGLAS® is also particularly suitable in the bathroom and very easy to install over an existing wall covering. The material thus allows time-saving and dust-free renovation of even large properties.



PLEXIGLAS® Hi-Gloss

PLEXIGLAS® LED

PLEXIGLAS® Optical

PARAPAN®

# Kitchen splashbacks

Easy to clean. Durable.  
Customizable.

### PLEXIGLAS® combines many different requirements

Kitchen surfaces should be easy to clean and functional, but also visually appealing. PLEXIGLAS® used as a kitchen splashback protects against dirt and moisture—and is also easy to install. Because the material is resistant to grease and water, daily cleaning is very easy.

### PLEXIGLAS® adds class to kitchens

In the design of a kitchen splashback, PLEXIGLAS®, with its versatility, invites you to give your creativity free rein. Monochrome high-gloss surfaces, for example, have a very special aesthetic because they reflect light and furniture. Thanks to the interplay between PLEXIGLAS® and LEDs, small recess depths for illuminated splashbacks are possible; this allows discreet warm-white illumination as well as striking color accents. On the particularly resistant PLEXIGLAS® Optical, it is even possible to apply any motif of your choice as a digital print with a striking depth effect.

### PLEXIGLAS® is easily installed

Every kitchen is different, even down to adapting the splashback to the individual structural characteristics. PLEXIGLAS® can be directly cut to size. Even recesses, such as for power sockets, can easily be cut out during the final installation.

### At a glance:

- Infinitely customizable thanks to digital direct printing
- Suitable for backlit splashbacks
- Easy to clean; resistant to grease and water
- Color fastness warranty
- Customized cutouts possible on site



- PLEXIGLAS® GS/XT
- PLEXIGLAS® LED
- PLEXIGLAS® Satinice
- PLEXIGLAS® Textures
- PLEXIGLAS® Multi-skin sheets



- PLEXIGLAS® GS/XT
- PLEXIGLAS® Optical

## Partitions

### Individual. Break-resistant. Translucent.

#### PLEXIGLAS® creates spaces

Modern homes and offices are often designed as open spaces—but visual barriers are sometimes desired. PLEXIGLAS® partitions offer separating walls that go well with the individual design of a space. The versatility of PLEXIGLAS® allows a textured, transparent, or translucent look, as well as colored or illuminated partitions. The large size of the panels makes it possible for separating walls to extend to the ceiling, for example.

#### PLEXIGLAS® combines functions

PLEXIGLAS® partitions are more than just very attractive; they are break resistant and can also be used as presentation walls, both sides of which can be written on. Colored or matt products reduce distraction by screens—but, depending on the design, can also transmit daylight. PLEXIGLAS® partitions can also be illuminated: At the touch of a button a transparent sheet can be turned into an impressive privacy screen.

#### At a glance:

- Easy structuring of living areas or offices
- Customized interior design thanks to the great variety of products
- Functional dividing walls: break-resistant, suitable for temporary writing and for lighting

## Digital printing and picture glazing

### UV-absorbent. Anti-reflective. Customizable.

#### PLEXIGLAS® for a variety of printed designs

Whether for kitchen splashbacks with customized decor or furniture fronts with the appearance of natural materials, high-resolution digital printing opens up almost unlimited design possibilities for creative ideas in furniture design. The high transparency and visual depth effect of PLEXIGLAS® make it a suitable material for this trend in furniture making.

#### PLEXIGLAS® protects invisibly

PLEXIGLAS® results in customized yet robust designs because the material functions as a protective shield against the yellowing effect of the sun. UV radiation causes bleaching and fading of prints as well as artworks and photos. But with a back-printed PLEXIGLAS® sheet or PLEXIGLAS® picture glazing, colors stay true to the original over the long term. PLEXIGLAS® XT UV 100 protects almost up to 100 percent against UV radiation. PLEXIGLAS® Optical offers the same high UV protection and also has a special coating that makes the surface hard enough to withstand even frequent cleaning. This product is optionally available with a high-gloss surface or a matt surface that reduces reflections—so that photos and pictures are displayed to their best advantage.

#### At a glance:

- Up to 100 percent UV protection for exhibits
- High-gloss or anti-glare surfaces, depending on purpose of use
- Easily cleaned: resistant to wear and chemicals PLEXIGLAS® Optical

PLEXIGLAS® Hi-Gloss

PLEXIGLAS® Optical

PLEXIGLAS® proTerra

PLEXIGLAS® Reflections

PLEXIGLAS® Satinice

PLEXIGLAS® Textures

## Doors Elegant. Robust. Versatile.



### PLEXIGLAS® makes everyday items robust

Whether on closets or in the kitchen or bathroom, doors are objects of everyday use. The materials of which they are made must be appropriately robust as well as easy to clean. PLEXIGLAS® is particularly resistant to signs of wear and retains its high-quality appearance, in keeping with the individual design concept, over the long term.

### PLEXIGLAS® brings doors to high gloss

High-gloss surfaces look particularly elegant. Thanks to its transparency, PLEXIGLAS® allows a striking depth effect. This impression arises, for example, with PLEXIGLAS® Optical by combining the absolutely colorless substrate material with an imprinted colored layer. Doors thus acquire an elegant appearance resembling crystal, with an impressive even surface. Because the material is easily printed, it is suitable for any desired color concept.

In addition, PLEXIGLAS® is easily processed. After it has been cut to the right size, the product is, for example, pressed on to both sides of the coreboard of the subsequent door. The result: extremely robust, visually attractive doors.

### PLEXIGLAS® and daylight stays

On the other hand, doors allowing transmission of light create the impression of open passages between rooms. Semi-transparent PLEXIGLAS® Satinice and PLEXIGLAS® Textures are ideal as doors or sliding doors in small rooms or homes; they transmit daylight, ensuring a sense of wellbeing. Because PLEXIGLAS® can be accurately cut to size even on site, it is excellently suited for demanding design concepts both in the office and at home.

### At a glance:

- Special depth effect for a sophisticated high-gloss look
- Light-transmitting products for open concepts
- Different properties: PLEXIGLAS® Optical, for example, is especially resistant and easy to clean

# Products and applications

	Furniture	Shopfitting and exhibitions	Furniture fronts	Wall paneling	Markerboards	Kitchen splashbacks	Partitions	(Digital) printing	Picture glazing	Doors
PLEXIGLAS® GS/XT	•	•		•			•	•	•	
PLEXIGLAS® Hi-Gloss	•	•	•	•	•	•				•
PLEXIGLAS® LED	•	•				•	•	•		
PLEXIGLAS® Optical	•	•	•	•	•	•		•	•	•
PLEXIGLAS® proTerra	•	•		•						•
PLEXIGLAS® Reflections	•	•	•	•						•
PLEXIGLAS® Resist		•								
PLEXIGLAS® Satinice	•	•					•			•
PLEXIGLAS® Textures	•	•					•			•
PLEXIGLAS® UV 100								•	•	
PARAPAN®	•	•	•	•		•				





## United Nations Sustainable Development Goals: How PLEXIGLAS® supports sustainable action

The United Nations' 2030 Agenda for Sustainable Development aims to shape global economic progress in a socially just manner and within the Earth's environmental limits. At the heart of this agenda are 17 Sustainable Development Goals (SDG). These goals are to be achieved by 2030 through the joint efforts of states, companies and civil society. We at Röhms GmbH are also contributing toward this necessary change – through both our PLEXIGLAS® products and our company's sustainability strategy.



Find out which SDGs are particularly relevant for us and how PLEXIGLAS® supports sustainable action at [www.plexiglas.de/eco](http://www.plexiglas.de/eco).



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