



performance panels



REHAU[®]

Unlimited Polymer Solutions



With the kind permission of Schröder

Crystal Polymeric Glass

Product Guide

The Design World Of Crystal Polymeric Glass

Individuality is one of the strongest trends across all sectors. This is clearly visible in the furniture industry today, where the desire for a sleek and sophisticated surface without compromising on functionality is in high demand.

Crystal Polymeric Glass is an innovative surface product that combines functionality with durability and offers endless design possibility to any project.

This 'smart glass' delivers the highest standard of design and quality.

Crystal Polymeric Glass

Performance Panels **Crystal Polymeric Glass** offers maximum flexibility in the production of front panel, splash back and end panel solutions with a glass effect.

Create the perfect combination of minimalistic design and high-quality glass finish and benefit from the flexible processing advantages comparable with that of standard wood products.

www.performance-panels.co.uk

REFERENCE (COVER IMAGE)

Schröder Küchen GmbH & Co. KG,
Kirchlengern, Germany

PRODUCT

Crystal Polymeric Glass





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The Polymer Glass For Industrial Applications

Advantages at a glance:

- **100% flexible** for your requirements: Can be ordered as individual components or pressed large size boards **Crystal Polymeric Glass** composite
- All available with perfectly **matched edgeband** from REHAU
- Can be processed using **conventional woodworking tools**
- **10x more break-resistant** than real glass
- **50% lighter** than real glass
- **Endless design possibilities:** Choose from 8 colours in either gloss or matt finish
- **Custom colours** are available upon request
- Crystal Polymeric Glass components are **AMK and TÜV certified**; tested for water, temperature and heat resistance compliant with these German kitchen industry standard

REFERENCE:

KH System Möbel GmbH, Melle, Germany

PRODUCT:

Crystal Polymeric Glass

The Most Flexible Glass Of All Time



Glass trends can now take on new challenges thanks to **Crystal Polymeric Glass**, which is revolutionising the market for real glass applications.

It offers excellent depth effect, whilst being lighter and stronger than real glass.

This innovative polymer smart glass can be processed using conventional wood working tools, combining its own advantages with the positive properties of thermoplastic laminates.

Crystal Polymeric Glass is available in 2800 x 1300 x 20mm pressed MR MDF boards.



reddot design award
honourable mention 2013

Reddot Design Award

In 2013, REHAU received an honourable mention for their **Crystal Polymeric Glass** product

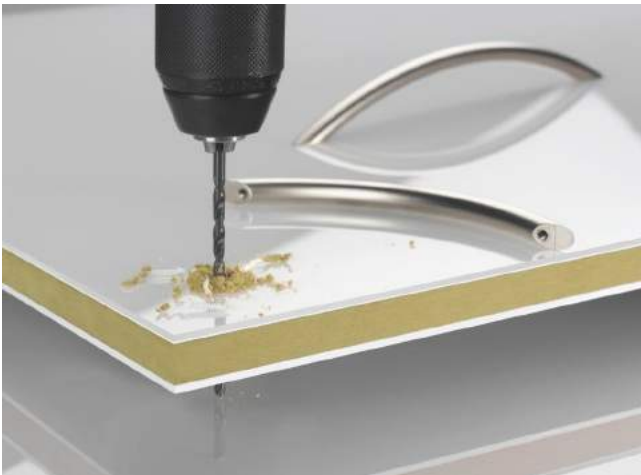


Break and scratch-resistance

Crystal Polymeric Glass offers excellent scratch resistance meaning the surface remains beautiful even after many years of daily wear.

It offers up to 20% less waste due to its low impact and break-susceptibility.

The ideal solution - from small projects to large - scale industrial size concepts.



Processing made easy

One of the main advantages when using **Crystal Polymeric Glass** is that there is no need for templating.

Cutting, routing and drilling holes for fittings can all be completed using conventional wood working tools.



Bending and free-form parts

Thanks to its polymer properties, **Crystal Polymeric Glass** can be worked in a variety of ways.

This thermoplastic material can be formed into almost any shape.

Even free-form parts are no problem for **Crystal Polymeric Glass** components.

The Most Flexible Glass Of All Time



Design flexibility

Crystal Polymeric Glass is the smart glass that can be customised with inlays or grooves to create unique decorative features.

The grooves are ideal when combined with special lighting to create backlit stand out pieces.



Edgebanding

REHAU offers two edgeband designs that are suited perfectly to **Crystal Polymeric Glass**.

In Duo-Design style, RAUKANTEX Visions uses its transparent leg to create the appearance of a sophisticated glass pane.

RAUKANTEX colour, available in high-gloss or matt finish, generates its glass appearance via a 45° chamfer.

Both edgebands are available in; the conventional edgeband with primer
– RAUKANTEX pure.

Or with a 100% polymer functional layer
– RAUKANTEX pro, suitable for all zero joint technologies.

Up To 20% Less Waste

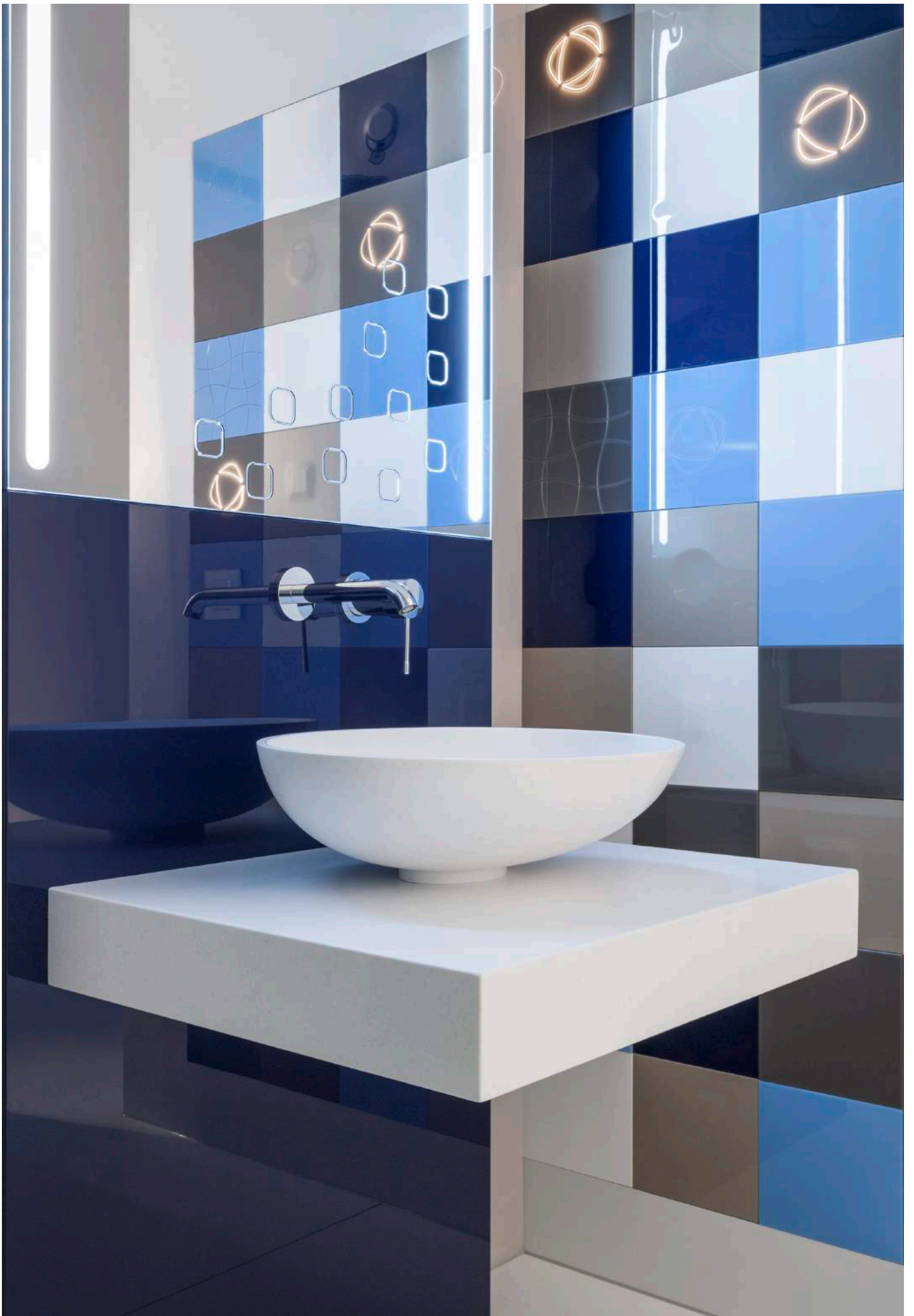
Fully break-resistant and flexible during preparation

The Highest Quality

Finished **Crystal Polymeric Glass** components have been tested to AMK and TÜV standard

Endless Design Opportunities

Through bending, grooves, inlays or free-form parts







Crystal Slim



Crystal Slim offers a high quality glass finish. Used for splash backs, wall cladding, front panels or other similar areas of application, the extra thin **Crystal Slim Polymeric Glass** product has been created with maximum design flexibility in mind.

Crystal Slim is a 4 mm thin panel of polymer glass laminate directly pressed with colour coordinated balancing sheets.

It features the same processing properties as **Crystal Polymeric Glass**, and is especially suitable for renovating tiled sections, or even in wet areas.

Thanks to its simple processing with woodworking tools, individual on-site cutting is not a problem.



Interzum Award 2015

In 2015, REHAU was awarded 'high product quality' for their **Crystal Polymeric Glass** product



Flexible cutting and drilling

Unlike real glass, **Crystal Slim** enables flexible on-site fabrication.

Recesses for electrical fittings such as a socket can be precisely measured and cut out, eliminating the need for templating.



Light weight

Crystal Slim is light weight, allowing for a whole new range of design options.

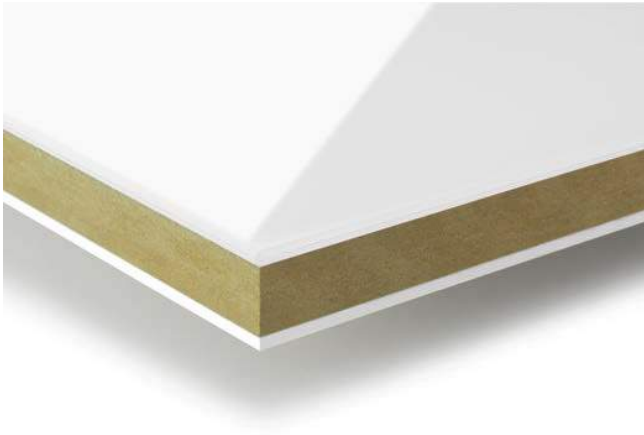
This also means savings are made in transportation, packaging, right through to installation.



Elegant laminate construction

The sleek low profile construction of **Crystal Slim** enables a wide variety of sophisticated applications including kitchen splash backs, wall cladding, partitioning or front panels.

Pressed Components



Crystal Polymeric Glass composite high-gloss or matt

Crystal Polymeric Glass as pressed large size boards of high-gloss or matt finish glass laminate and colour-coordinated balancing sheets on MR MDF.

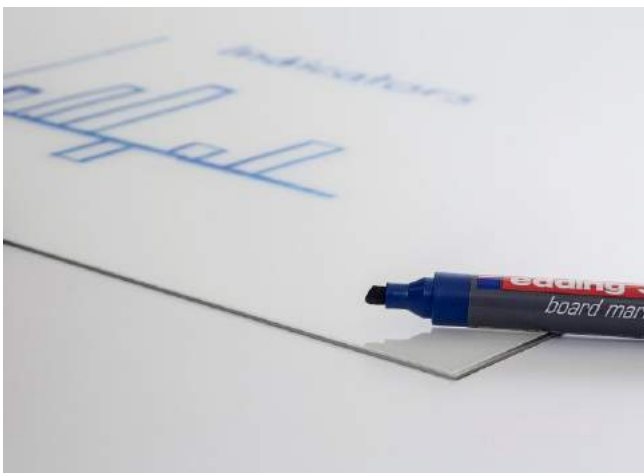
Moisture resistant MDF is an incredibly versatile panel, with a high internal bond strength, used extensively throughout the construction and furniture industries, for interior applications that may be subject to occasional wetting or humidity.



Crystal Slim in high-gloss or matt

The 4.0 mm-thin system product, consists of **Crystal Polymeric Glass** laminate which is directly pressed with colour-coordinated balancing sheet and delivered as a large size board.

High-gloss and matt finishes are available.



Crystal Polymeric Glass – Magnetic

This glass laminate has a 100µm steel-foil inlay and is the latest addition to the **Crystal Polymeric Glass** family.

Suitable for use with whiteboard markers and neodymium magnets it is ideal for office areas, kitchen splash backs and living areas. Available as pressed large format board with MR MDF core or as 4mm slim version.

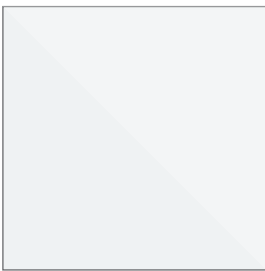
Colour & Edgeband Collection

Crystal Polymeric Glass is available in 20mm thick sheets or as **Crystal Slim**, a 4mm thin profile. Available in a choice of high-gloss or matt finish in sheet size 2800 x 1300mm.

Matching RAUKANTEX edgeband from REHAU is available in high-gloss (**G**), matt finish (**M**) or Visions (**V**) edgeband for a true glass pane effect.

Bianco

High gloss V2778
Matt 1696L



2632E V



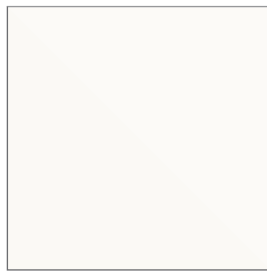
78997 G



78997 M

Perla

High gloss V2892
Matt 1697L



2385E V



78919 G



78919 M

Magnolia

High gloss 73703
Matt 1698L



2826E V



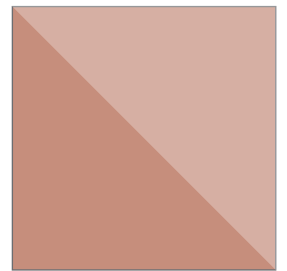
140022 G



140022 M

Corniola

High gloss 1683L
Matt 1699L



3166E V



140247 G



140247 M

Menta

High gloss 1684L
Matt 1700L



3167E V



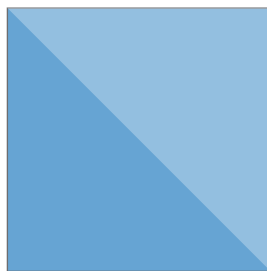
140245 G



140245 M

Azzuro

High gloss 1685L
Matt 1701L



3168E V



140246 G



140246 M

Fumo

High gloss 1686L
Matt 1702L



3169E V



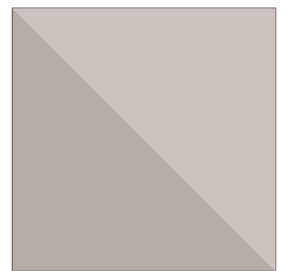
140244 G



140244 M

Sabbia

High gloss 1687L
Matt 1703L



3170E V



140243 G



140243 M

* Colour deviations may occur in the printing process. We advise viewing samples prior to any project commencement.



 performance panels

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