PLEXIGLAS®
Signage Products
Presentation
Update 2014....



PLEXIGLAS® 30 Year (Clear)UV Guarantee Longevity & performance are our goals....



We guarantee that the Clear

- 1.solid sheets
- 2.multi-skin sheets
- 3.corrugated sheets
- 4.blocks
- 5.tubes
- 6.rods



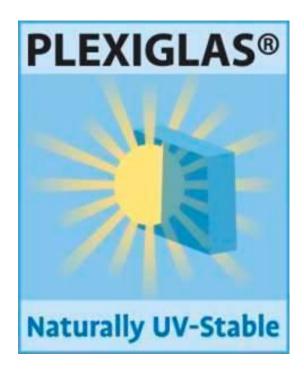
which are marketed under the PLEXIGLAS® trademark, will show no yellowing and will retain their maximum light transmission for 30 years.

PLEXIGLAS® 10 year UV colour guarantee Adding colour to the environment....



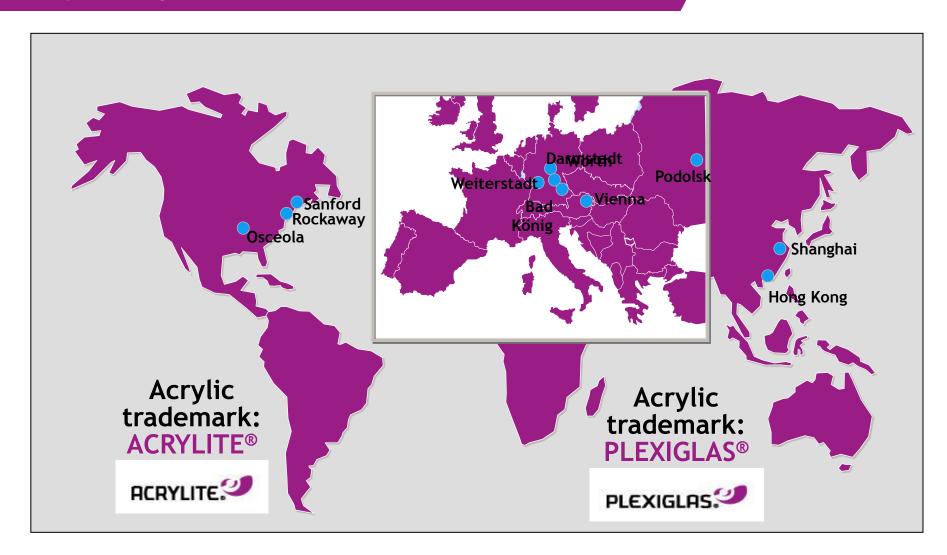
We guarantee the colour stability of our:

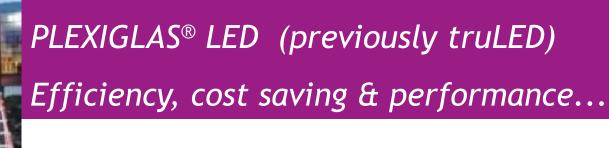
- 1. solid sheets
- 2. multi-skin sheets
- 3. corrugated sheets
- 4. blocks
- 5. tubes
- 6. rods marketed under the PLEXIGLAS® trademark for 10 years.



PLEXIGLAS® A global producer...









Coloured PLEXIGLAS® sheets for LED applications

- ✓ Optimized Transmission for LED
- √ Very good light reflecting properties
- ✓ Brilliant colours in reflected and transmitted light



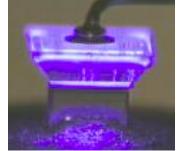












Title of Presentation

PLEXIGLAS® LED: Limited expense & maximum results....



In the concept stage for the "Nova Events Exhibition Centre" located in Leipzig Germany, the customer wanted to create a feature reflecting its name.

The architect chose to create the large illuminated "Nova" feature, using 260 shts of PLEXIGLAS ® LED WH14 White in a 5mm thickness. Vinyl graphics where applied to create the bright glowing planet, making this exhibition centre stand out from others.

Energy efficiency and even illumination was also a major consideration and with no reflection, no refraction and a exceptional high level of transmission, PLEXIGLAS® LED was the obvious choice.



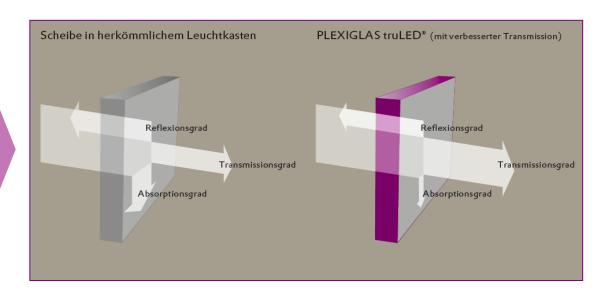


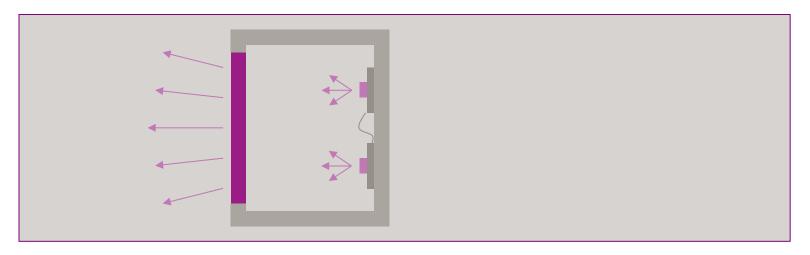


PLEXIGLAS® LED - (WH14 & WH72) Improved light scattering....



Improved light scattering





PLEXIGLAS® LED: The future in LED illumination....





















PLEXIGLAS® LED (formerly EndLighten T): Slim line illumination easy....



- PLEXIGLAS® LED (EndLighten T) is designed for edge illumination, creating a slim-line light diffusing, illuminated panel.
- PLEXIGLAS® LED (EndLighten T) is a clear, (91% light transmission) transparent extruded acrylic sheet.
- PLEXIGLAS® LED (EndLighten T) can be used for poster/signage illumination or transparent illuminated lighting application.
- PLEXIGLAS® LED (EndLighten T) is stocked in a 8.0mm & 10mm thickness, but available in numerous grades & thicknesses.
- PLEXIGLAS® LED (EndLighten T) contains colourless diffuser particles that spread the light, concentrating the light on the surface.

Advantages:

- ✓ Eliminates large light box construction for back illumination.
- No need for surface treatment to create the effect.
- ✓ Low maintenance, working with LED light sources.
- ✓ Break resistant, readily available.
- ✓ Can be cut, drilled, machined and glued.

Applications:

Signage, transparent partitions, machine components, feature walls, lighting, shelves, displays etc.

PLEXIGLAS® LED (edge lighting) Flying high above the alternatives...



With the great interest on China and in particular Shanghai, it was a well recognised project for PLEXIGLAS® LED to be used as the directional signs in the PUDONG, Shanghai airport.

PLEXIGLAS® LED was chosen due to the high lux light output, rigidity, ease of fabrication and the 30 year manufacturers guarantee.

A number of alternatives were considered but due to the main criteria of reaching a level of light output, PLEXIGLAS® LED was the standout winner.

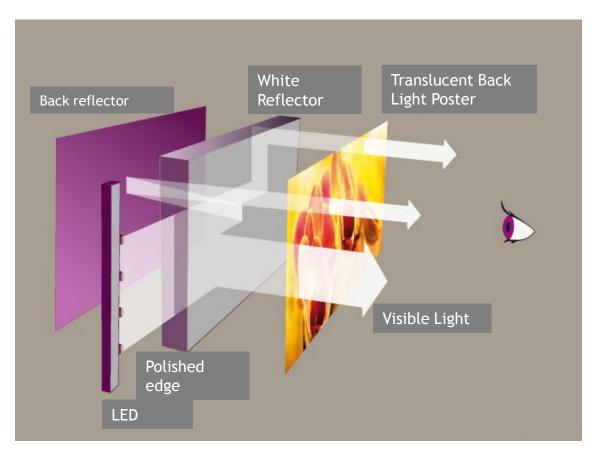






PLEXIGLAS® LED (Edge Lighting) Simple yet highly effective....











PLEXIGLAS® LED (Edge Lighting) Bright, ready to use & efficient....









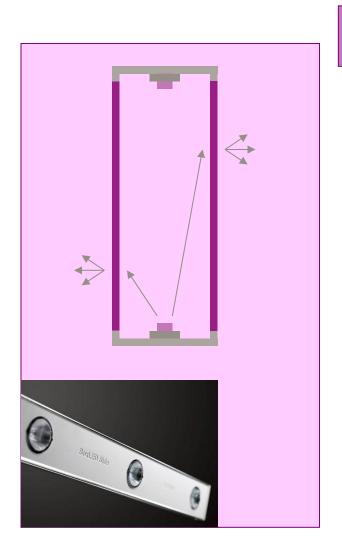






PLEXIGLAS® LED: Illuminated posters efficiences & brightness...





Signage

Illuminated Advertisment

Illuminated Poster

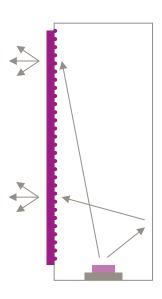


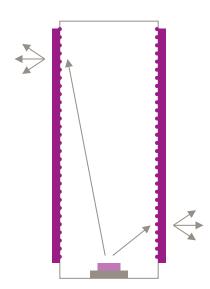
PLEXIGLAS® LED (WH46SC) side lighting - A change in direction....



Advantages

- 30-40% Additional light
- Improved homogenity
- Patent

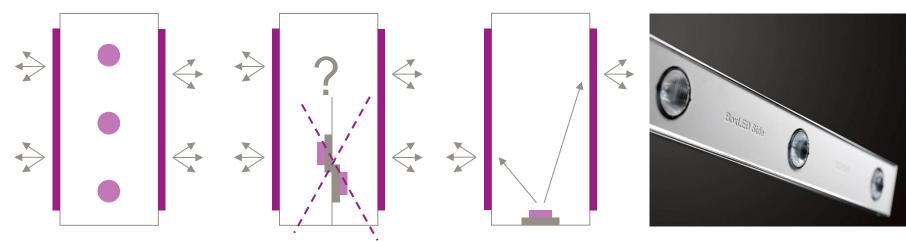


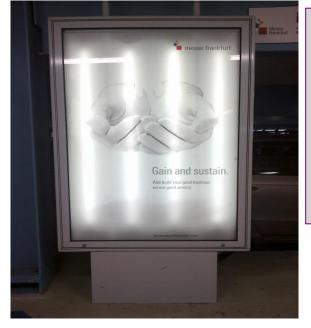




PLEXIGLAS® LED: (WH46 SC) side lighting - A new image in advertising....







PLEXIGLAS® LED WH46 SC

- 1. 30-40% additional light
- 2. Improved homogenity
- 3. Patent pending...



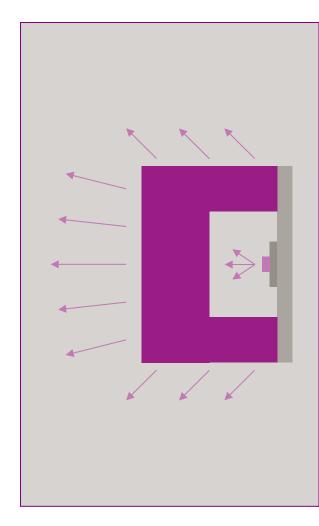
PLEXIGLAS® Block illumination-Routing with optimum success....



Signage

Small Fabricated / Channel letters

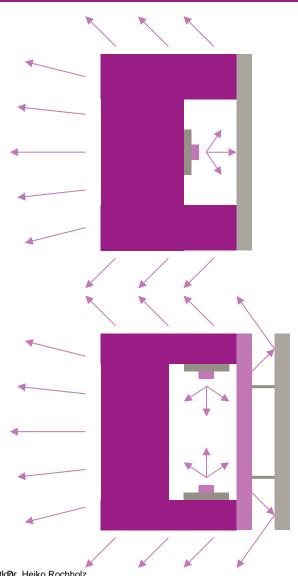


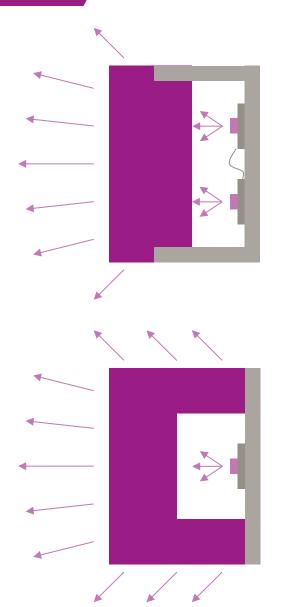


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PLEXIGLAS® Block illumination - LED illuminated lettering easy....

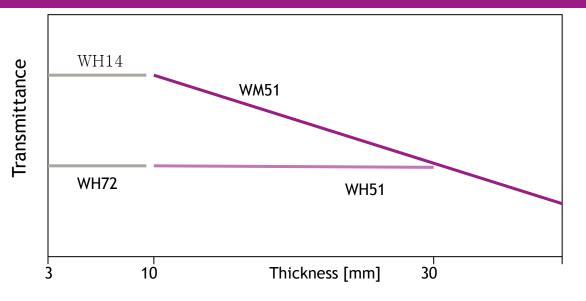




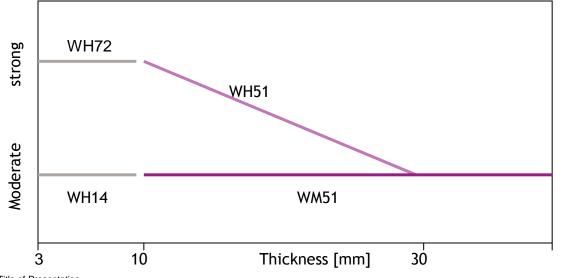


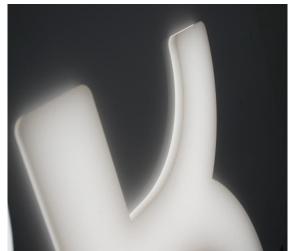
PLEXIGLAS® LED: White opacity vs transmittance....





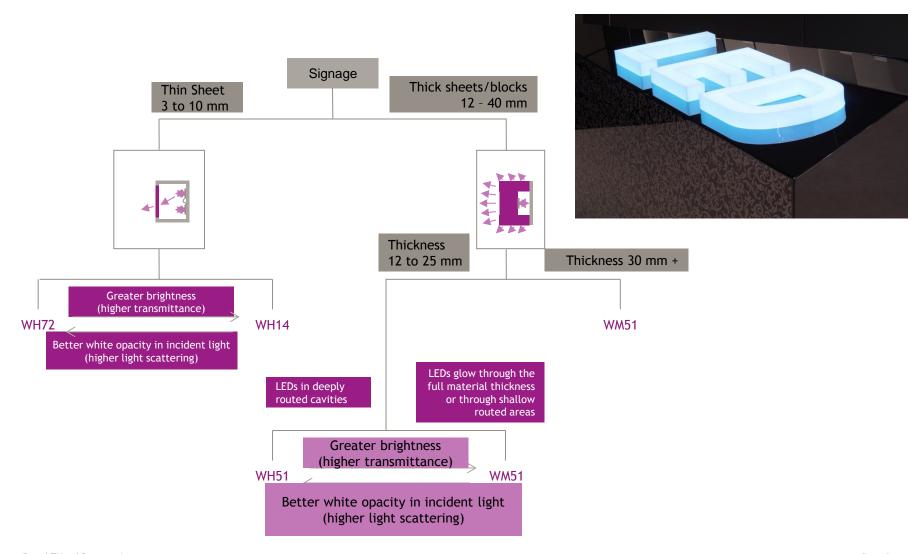






PLEXIGLAS® LED: Meeting with all applications....





PLEXIGLAS® blocks: Raising the standard....





- Add a new level to the standard of displays & signage, using PLEXIGLAS® blocks.
- PLEXIGLAS® block stands out from the others, bringing attention to your business.
- Available in numerous colours, thicknesses & types (EG. LED EndLighten T)
- Bring a strong, warm depth to your display & signage.
- Become the talking point of the exhibition.
- PLEXIGLAS® block offering quality & longevity at a economical price.

PLEXIGLAS® LED (dual colour) Changing appearance....



- ✓ PLEXIGLAS® LED (Dual Colour) creates a standard coloured sheet appearance when not illuminated during the daytime and at night, once illuminated becomes a bright, vibrant white panel.
- ✓ PLEXIGLAS® LED (Dual Colour) is available currently in Black/White, Blue/White and Grey/White. The main principle colour is actually translucent, diffusing natural light and maintaining its primary colour appearance, but once illuminated it transmits the coloured wavelength of the artificial light.
- One effective usage for PLEXIGLAS® LED (Dual Colour) is to partition the light box, having the ability to illuminate different areas at different times. Applications for hidden information are only visible when the light source is illuminated.
- ✓ PLEXIGLAS® LED (Dual Colour) can also assist with the current issue of sign pollution.

✓ PLEXIGLAS® LED (Dual Colour) producing two effects with one product!

PLEXIGLAS® LED (Dual Colour) Creating a point of difference....















PLEXIGLAS® Resist Damage resistance & clarity....



hoch transparent

robust

brillant

...successful combination

Instead of weather-resistant or

strength

PLEXIGLAS RESIST®

weather-resistant & strength

witterungsbeständig

PLEXIGLAS® Resist Not just another acrylic....



- All PLEXIGLAS® guarantees are also applicable with our PLEXIGLAS® Resist range:
- √ 30 Year UV degradation for clear products.
- √ 10 Year UV degradation for coloured products.
- PLEXIGLAS® Resist is manufactured using a high molecular weight molding compound.
 This requires a slower production speed, virtually eliminating any internal stresses and very little reversion (shrinkage).
- For 3 dimensional vacuum formed images, PLEXIGLAS® Resist will maintain a good even thickness over the formed image, maintaining low internal stresses.
- As PLEXIGLAS® Resist is a higher weight extruded sheet, it cuts cleaner and machines very similar to that of cell cast acrylic sheet PLEXIGLAS® GS.
- Also being of a higher molecular weight, PLEXIGLAS® Resist has a harder surface, which enables it to be less prone to scratching and have a higher chemical resistance to that of other acrylics.
- PLEXIGLAS® Resist is also available in a cell cast version being PLEXIGLAS® Resist HP.
- PLEXIGLAS® Resist is masked with our (SH) PE masking, which is a high tack thermoformable masking.

PLEXIGLAS® Resist The benefits are endless....



Good chemical resistance

Easily thermoformable (at low temperatures)

Polishable edges

Cuttable by laser

Tough / Robust

FDA approval for food contact applications

Approval for glazing in ice hockey stadiums

Approved for vehicle construction acc. to ABG/DOT

Optimum impact strength

Outstanding weather resistance + durability

High transparency

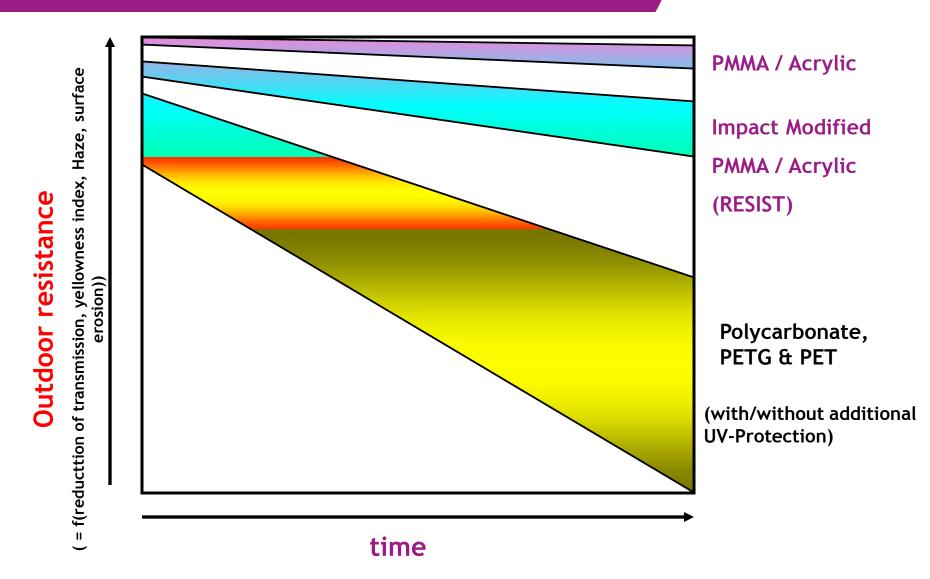
Surface hardness

Cementing/bonding no problem

Ease of fabrication (same as Acrylic)

PLEXIGLAS® Resist Superior outdoor resistance....



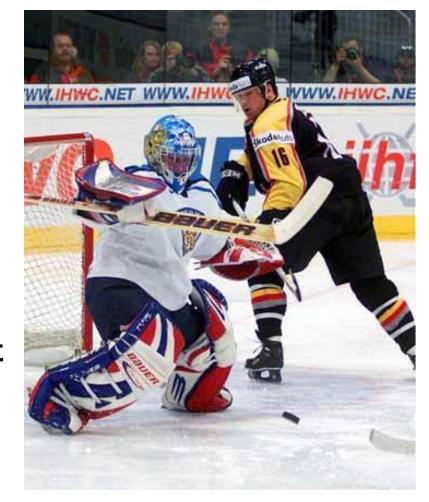


PLEXIGLAS® Resist: Tough enough for nearly all applications....



- ✓ PLEXIGLAS RESIST® 65
- ✓ Thickness 6.0 mm

(Prüfzeugnis 46/901 869/Sm/C, FMPA, Universität Stuttgart)



PLEXIGLAS® Resist The new choice in corporate identity....















PLEXIGLAS® Satinice Entering a new stage of design....



- PLEXIGLAS® SATINICE is a cell cast acrylic sheet.
- PLEXIGLAS® SATINICE can be cut, bent, thermoformed, glued & polished.
- PLEXIGLAS® SATINICE SC Satin surface one side
- PLEXIGLAS® SATINICE DC Satin surface two/both sides.

Advantages:

- Satin surface diffuses the light evenly, giving a bright, even glow with natural light & artificial light (LED's, fluorescent's, etc.)
- Reduces the chance of showing scratches, tough surface (higher density than commercial acrylics).
- ✓ Virtually eliminates fingerprints.
- Bright décor transparent/translucent colours.
- ✓ Vinyl graphics can be easily applied.
- ✓ Ideal for back illumination & compatible with LED illumination.

Applications:

Feature walls, counter fronts, reception area's, foyers, partitions, shower screens, cabinet doors, wardrobe doors, signage, shop fitting, displays / exhibitions & lighting.

PLEXIGLAS® Satinice Wellington airport comes alive....



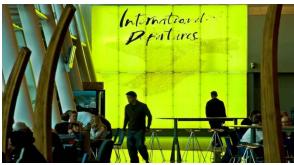
In developing the design for the wall in the Wellington airport, PLEXIGLAS® Satinice was found to be an ideal material to achieve the aesthetic wanted, due to its light weight, light transmission, and market trend colour options.

Decorative vinyl graphics were applied to the PLEXIGLAS®, on either side of the wall, creating a sophisticated graphic effect, that has been well received by staff and passengers alike.

Back lighting of the PLEXIGLAS® Satinice wall, brought life into the international departures area, revealing the New Zealand geographic image.

The graphics used on the second side of the illuminated PLEXIGLAS® Satinice wall, highlighted a nautical theme, established by a newly constructed aquarium within the customs queue area. This has created an intriguing image, with a depth of field effect, that has near three dimensional qualities.







PLEXIGLAS® Satinice Creating a distinctive impression....























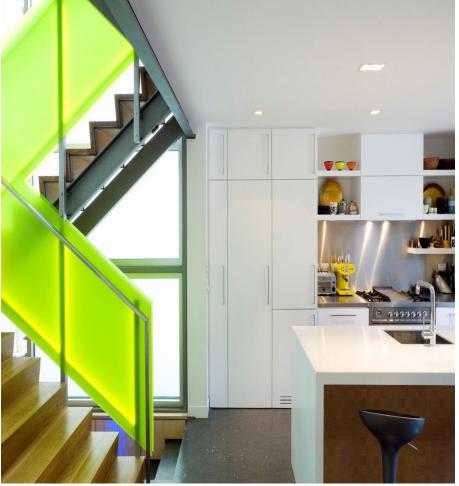




PLEXIGLAS® Satinice Current trend at a budget price....







PLEXIGLAS® UV100 - Poster & picture protection like no other....



- PLEXIGLAS® (UV100) is an extruded acrylic sheet blocking almost 100% of UV transmission.
- PLEXIGLAS® (UV100) is designed for conservation picture framing and where protection is required form UV (Ultra Violet) rays.
- PLEXIGLAS® (UV100) is available in Clear (OA570) & Anti-Reflective Clear (OA570AR).
- PLEXIGLAS® (UV100) standard thicknesses 2.0mm & 3.0mm (available in other thicknesses).
- PLEXIGLAS® (UV100) is also produced in a MR (Mar Resistant) grade.
- PLEXIGLAS® (UV100) can be cut, bent, thermoformed, drilled & glued. (Manufacturer's suggestions available).

Advantages:

- ✓ Light weight, easy to cut to size on site.
- ✓ Almost 100% UV protection
- ✓ PE Masking on both sides
- √ 30 year manufacturer's guarantee against UV degradation.
- Available in standard thicknesses.

Applications:

Picture framing, museum display cases, gallery framing, signage, poster advertising.

PLEXIGLAS® UV100 - Gallery Grades UV protection & anti reflection....















PLEXIGLAS® Optical HC hard coated Scratch resistant acrylic....



- Excellent abrasion/chemical resistance
- Excellent optical quality (HQ production in clean room)
- 100% UV protection
- Good fabrication and machining options
- Very good adhesion of the coating
- Lower handling costs.
- SKUs available.
- High quality inspection.
- No use of solvents.









PLEXIGLAS® Optical - Rear Projection In front of technology....









PLEXIGLAS® Optical - Rear Projection A true image....



PLEXIGLAS® Optical (Rear Projection - RP) was especially developed for rear projection to ensure optimal image generation in this demanding field of application.

The base material is highly transparent PMMA with its excellent light transmission (92%). It offers very good mechanical strength, which makes the rear projection screens extremely hard-wearing. Evonik offers three types of RP screens that are optimized for different applications.

The Daylight Screen is 3.0mm thick and is a universal product that is suitable for every environment.

It represents the ideal compromise between contrast, gain and half-gain. All this is combined with an excellent price/performance ratio and a tough configuration.

Optimized Contrast

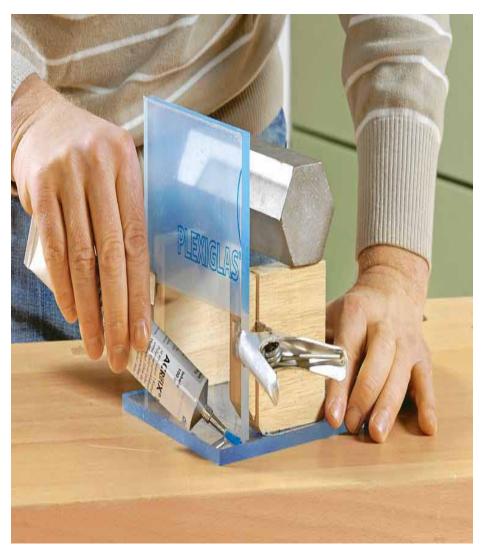
The light grey color of PLEXIGLAS® Optical enables very good contrast. Any environmental light is absorbed by this color, which provides a brilliant image.

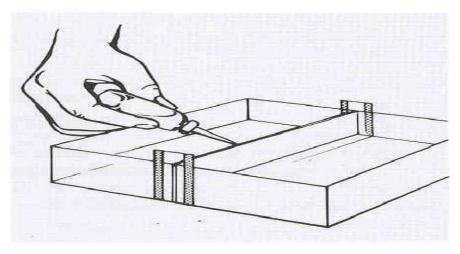
The conference room requires less darkening than usual.

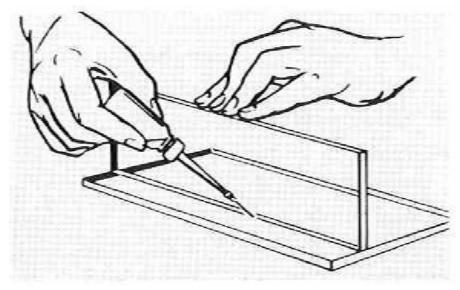
ACRIFIX® adhesive's The industry leader....



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PLEXIGLAS® Reflections iridescent A reflection of success....



- PLEXIGLAS® Reflections (Radiant) is a transparent reflective mirrored acrylic, which changes reflective colour depending on the angle it is viewed.
- PLEXIGLAS® Reflections (Radiant) effect is created by a film on one side of a extruded acrylic sheet.
- PLEXIGLAS® Reflections (Radiant) images and uses ambient light to create its reflective effects.
- PLEXIGLAS® Reflections (Radiant) internally, not suggested for external use without further protection.
- PLEXIGLAS® Reflections (Radiant): on installation it is preferred that the edges of the panel are sealed with a compatible neutral cure / non acidic silicone.
- PLEXIGLAS® Reflections (Radiant) is only available in a sheet size of 2440mm x 1220mm.
- PLEXIGLAS® Reflections (Radiant) can be cut, bent, thermoformed, drilled & glued following the manufacturer's suggestions.

Advantages:

- Transparent, colour changing reflective acrylic mirror with no other alternatives.
- ✓ Creates a eye catching design, bringing attention.

Applications:

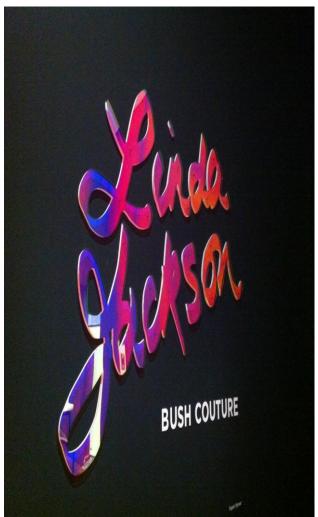
Shop fitting, displays, exhibitions, lighting, signage, POP, bar fronts, counter fronts, internal wall lining.

PLEXIGLAS® Reflections iridescent Changing your image....













PLEXIGLAS® Reflections iridescent Value adding at an economical price....





