

Design in a New Light

ACRYLITE® acrylic sheet, rod and tube for Lighting Applications



ACRYLITE® Crystal Ice sheet

- Diffuses light to enhance your designs
- Frosted surface with crystal clear edges
- Fingerprint and mar resistant
- Easily machined and thermoformed without effecting frosted texture

Applications: displays, store fixtures, partitions and wall panels

- Standard size: 49" x 97"
- Thicknesses: .118" to .354"
- Colors: colorless, glass green, blue, black & white
- Light transmission: up to 90%



ACRYLITE® Satin Ice sheet

- Excellent light transmission and diffusion properties
- Distributes light evenly across entire surface
- Frosted surface throughout
- Performs well with LED or neon lights without hot spots
- Easily machined and thermoformed

Applications: light diffusion panels, light globes and indoor/outdoor columns

- Standard sizes: 49" x 97" and 73" x 97"
- Thicknesses: .060" to .472"
- Colors: frosted, white, light blue, medium blue, dark blue, light grey, light green & black
- Light transmission: up to 89%



ACRYLITE® P-95 and DP-9 sheet

- Smooth, velvety, frosted surface on one side (P-95), or two sides (DP-9)
- Perfect for backlit applications
- Wide range of colors and thicknesses made to order
- Low minimum order quantities for specialty colors

Applications: light boxes, displays, interior signs, furniture and architectural designs

- Standard sizes: 48" x 72", 48" x 96", 48" x 120", 60" x 96", 60" x 120", 72" x 96", 72" x 120"
- Thicknesses: .060" to 2.00"
- Light transmission: P-95 up to 86%; DP-9 88%



ACRYLITE® P-95 Black White sheet

- Appears dark and opaque by day and glows white at night with backlighting
- Special pigment formulation yields 10-19% light transmittance when backlit

Applications: exterior way finding signs, channel letters and sign faces

- Standard sizes: 48" x 96", 60" x 96", 72" x 96"
- Thicknesses: .118" to .472"



ACRYLITE® EndLighten sheet

- Specially formulated particles cause light to diffuse forward
- Works with LEDs, RGB LEDs, CCFL and fluorescent lamps
- Available with an abrasion resistant coating on one or both sides
- Different grades for various applications to ensure uniform illumination
- Thermoformable for illuminated shapes

Applications: illuminated shelving, thin profile signs and posters, interior panels and accent lighting

- Standard sizes: 49" x 97" and 80" x 120"
- Thicknesses: .236" to .394" depending on application width



ACRYLITE® EndLighten Rod

- Two grades available for maximum illumination
- Even light dispersion
- Easily thermoformed

Applications: lighting designs, illuminated handrails, P-O-P/store fixtures and exhibit applications

- Diameters: .079" to 2.00"
- Standard length: 78.7"



ACRYLITE® SignFlex™ sheet

- Unique optical properties evenly diffuse light and hide LED hotspots
- Superior impact and weather resistance
- Lightweight, textured surface hides fingerprints to enhance service life
- Easily thermoformed

Applications: interior and exterior sign faces and channel letters

- Standard sizes: 75" x 100" and 75" x 125"
- Thickness: .177"
- Colors: colorless & two shades of white
- Light transmission: colorless up to 86%; white up to 54%



ACRYLITE® Acrylic Tubes

- Excellent light transmission
- In clear and frosted Satin Ice
- Add LEDs for a dramatic effect
- UV resistant
- Half the weight of glass

Applications: displays, illuminated handrails, accent lighting, interior and exterior lighting

- Diameters: .197" to 20"
- Thicknesses: .118" to .236"
- Standard length: 78.7"
- Custom lengths available



ACRYLITE® Radiant sheet

- Uses ambient light to create its own lighting effects
- Magically shimmers with iridescent colors when backlit
- Produces mirror-like reflections

Applications: store fixtures, backlit displays and signs and architectural designs

- Standard sizes: 48" x 96"
- Thickness: .118"



ACRYLITE® Deglas High Impact acrylic multi-skinned sheet

- Oversized translucent and transparent panels maximize light and brightness
- Interior ribs create unique lighting effects while increasing rigidity and strength
- Blocks harmful UV rays to create safe, soft, diffused sunlighting effects
- High impact shatter and break resistant

Applications: light scapes, illuminated walls, backlit panels, ceiling and toplighting, interior and exterior architectural detailing

- Standard sizes: 47.25" width, lengths up to 20'
- Thicknesses: 8, 16 and 32 mm
- Colors: clear, bronze, 4 whites & 2 pearlized
- Light transmission: clear up to 86%; white up to 74%

Light transmission varies depending on material thickness and color. Please visit Evonik Cyro's TechKnowledge Center at www.acrylite.net for more information.



EVONIK
INDUSTRIES

Evonik Cyro LLC
379 Interpace Parkway
Parsippany, NJ 07054 USA

PHONE +1 800 631-5384
+1 973 541-8000

www.acrylite.net
www.acrylite-shop.com
www.evonik.com

The Perfect Complement – ACRIFIX™ Specialty Bonding Agents

Use ACRIFIX™ 2R 0195 reactive cement, with its unique satin finish, to create strong and seamless joints with textured, light-diffusing products. Or, if you prefer a non-methylene chloride solvent cement, use ACRIFIX™ 1S 0117 which has superior capillary action for better flow through and is quick drying.

Evonik Cyro LLC is an Evonik Degussa Corporation group company. ACRYLITE® is a registered trademark of Evonik Cyro LLC in the Americas. These same products are manufactured and marketed under the PLEXIGLAS® trade name on the European, Asian, African and Australian continents.

©2010 Evonik Cyro LLC. All Rights Reserved.