

ACRYLITE® Satinice

Sheet and tube

Product

Elegant and captivating, the suite of ACRYLITE® Satinice acrylic sheet and tube products stimulate the imagination. The subtle surfaces and impressive array of colors open the door for inspiration with sumptuous textures that will enhance any environment with beauty as well as durability.

Resistant to traces of wear and finger marks, these products are technologically developed to also have the perfect balance between transmission and diffusion. ACRYLITE® Satinice is designed to enhance virtually any environment with light and brilliance.

Applications

ACRYLITE® Satinice offers excellent solutions for the following applications:

- Architectural lighting, decorative glazing, privacy partitions, shelves, furniture, POP, retail/store fixture displays and exhibition booths
- Wall paneling in architectural applications
- White/translucent grades as lens for luminaries and skylights
- Tubes for architectural lighting.



Fabrication

ACRYLITE® Satinice can be fabricated just like ACRYLITE® acrylic sheet and tube. The following fabrication briefs are available for ACRYLITE®:

- Machining (tech brief 11)
- Thermoforming (tech brief 10)
- Cementing (tech brief 8)
- Handling & Maintenance (tech brief 1)

Properties

ACRYLITE® Satinice offers the following unique features:

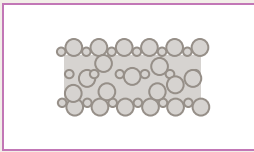
- Grades with varying degrees of light diffusion
- Balanced ratio of light diffusion and transmittance
- Resistant to traces of wear
- Excellent light transmission and brilliance
- 100% recyclability
- Very high weather resistance
- Easy fabrication
- Light weight – about half the weight of glass
- 11 times the impact strength of glass
- Some grades meet food contact requirements

Surfaces and other properties of the various products:



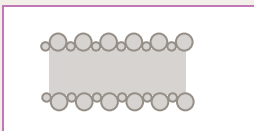
sheet – velvet texture, cast (formerly P95/DP9)

- velvety frosted surface on one or both sides
- light diffusing
- extremely easy to machine and fabricate
- wide range of thicknesses and colors available
- fingerprint and scratch resistant surface



sheet – satin texture, optimum light diffusion, extruded (formerly Satin Ice)

- soft frosted surface
- light diffusing beads evenly distributed throughout material
- texture is retained after thermoforming
- excellent balance between light diffusion and light transmission (up to 91%)
- fingerprint and scratch resistant surface



sheet – crystal surface, extruded (formerly Crystal Ice)

- more durable textured surface
- excellent thickness tolerance
- texture is retained after thermoforming
- texture on surface – clear throughout
- fingerprint and scratch resistant surface



tube – satin texture, optimum light diffusion, extruded

- soft frosted surface
- light diffusing beads evenly distributed throughout material
- UV resistant and perfect for any lighting design
- suitable for food content



Physical forms

ACRYLITE® Satinice is available in the following standard sizes/thicknesses and colors.

Other sizes/thicknesses and colors may be available. Minimums may apply.

Description	Size	Thicknesses	Colors
ACRYLITE® Satinice velvet texture (DP9)	80" x 120"	.236"	1H17 DC Sunshine 2H08 DC Mandarin 2H12 DC Pumpkin 3C01 DC Cherry Red 3C04 DC Strawberry 3H12 DC Tomato 4H01 DC Plum 4H12 DC Lollipop 5C01 DC Sky Blue 5H09 DC Pacific 5H74 DC Laguna 6C03 DC Green 6H07 DC Kiwi 6H55 DC Grass
ACRYLITE® Satinice velvet texture (DP9/P95)	48" x 96" 80" x 120"	.118" - .472"	WH02 DC Coconut WH02 SC Coconut WH26 DC Cloud WM30 SC White WM32 SC White 6F20 SC Glass Green 0F00 DC Colorless 0F00 SC Colorless 9H01 SC Black
ACRYLITE® Satinice optimum light diffusion (Satin Ice)	49" x 97"	.118" .060" - .472"	WD500 DF Light White 5D004 DF Light Blue 5D005 DF Medium Blue 5D006 DF Dark Blue 6D001 DF Light Green WD008 DF White 0D010 DF Colorless 0D002 DF Colorless
ACRYLITE® Satinice crystal surface (Crystal Ice)	49" x 97"	.236" .118" - .354"	6M020 SC Green 5M022 SC Blue 0M001 DC Colorless 0M001 SC Colorless
ACRYLITE® Satinice optimum light diffusion (Satin Ice) tube	8"-12" OD 2" - 12" OD 6' & 8' lengths	(wall) .118" - .157"	WD300 DF White 0D010 DF Colorless

DC texture surface on both sides; SC texture surface on one side

Light Transmissions

Thickness	.060"	.080"	.098"	.118"	.177"	.236	.354"	.472"
Optimum light diffusion								
White WD008 DF	65%	64%	62%	60%	50%	42%	38%	33%
Light White WD500 DF	-	80%	-	-	-	-	-	-
Colorless 0D010 DF	91%	90%	87%	88%	82%	78%	68%	65%
Colorless 0D002 DF	90%	89%	-	-	-	-	-	-
Light Blue 5D004 DF	-	-	-	85%	83%	80%	70%	-
Medium Blue 5D005DF	-	-	-	51%	52%	51%	49%	-
Dark Blue 5D006 DF	-	-	-	8%	8%	7%	6%	-
Light Green 6D001 DF	-	-	-	87%	84%	81%	73%	-
Crystal surface								
Colorless 0M001 SC	-	-	-	90	88	88	86	-
White WM530 SC	-	-	-	<15%	<15%	<15%	<15%	-
Glass Green 6M020 SC	-	-	-	88%	87%	87%	85%	-
Light Blue 5M022 SC	-	-	-	85%	84%	84%	82%	-

*Light transmission is measured using a collimated beam and does not account for recycled light from surface reflections. Fixtures with highly reflected surfaces can recapture up to 50% of the light loss.

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