

ACRYLITE® Satinice



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

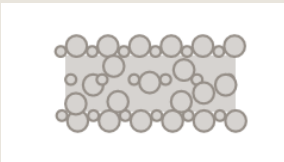
Surfaces and other properties of the various products:

Sheet - velvet texture, cast (formerly P95/DP9)



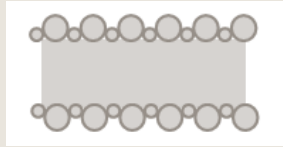
- velvety frosted surface on one or both sides
- light diffusing
- extremely easy to machine and fabricate
- wide range of thicknesses and colors available
- fingerprint and scratch resistant surface

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

PRODUCT RANGE

Description	Size	Thickness	Colors
ACRYLITE® Satinice velvet texture (DP9)	80" x 120"	.236"	1H17 DC Sunshine 2H08 DC Mandarin 2H12 DC Pumpkin 3C04 DC Strawberry 3H12 DC Tomato 4H01 DC Plum 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 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	49" x 97" 48" x 96"	.118" .060" - .472"	WD500 DF Light White WD008 DF White 0D010 DF Colorless WD852 DF Colorless WD853 DF Colorless WD854 DF Colorless WD855 DF Colorless
ACRYLITE® Satinice crystal surface	49" x 97"	.236" .118" - .354"	6M020 SC Green 5M022 SC Blue 0M001 DC Colorless 0M001 SC Colorless
ACRYLITE® Satinice optimum light diffusion tube	8"-12" OD 2" - 12" OD 6' & 8' lengths	(wall) .118" - .157"	WD300 DF White 0D010 DF Colorless

LIGHT TRANSMISSIONS

Color	.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 WD852	92%	92%	-	92%	-	-	-	-
Colorless WD853	85%	85%	-	85%	-	-	-	-
Colorless WD854	79%	79%	-	79%	-	-	-	-
Colorless WD855	72%	72%	-	72%	-	-	-	-
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%	-

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