



# ACRYLITE® RP Rear Projection acrylic screen

Clear 0918-8

Light Grey 1229-6

Dark Grey 1230-4

## Product and benefit

ACRYLITE® RP acrylic screen is a specially formulated sheet with embedded micro lenses designed for rear projection screens. The integrated micro lenses produce an excellent image without hot spots. ACRYLITE RP acrylic screen is available in three colors – clear, light grey, and dark grey – and generates high contrast with color shifts. The anti-glare surface resists scratches and is particularly suitable for rough environments.



## Applications

ACRYLITE RP acrylic screen is designed for the latest technology used in audio-visual presentations in exhibitions and point-of-purchase displays. ACRYLITE RP combines high brightness and contrast across a range of moderate viewing angles. The anti-glare surface is resistant to abrasion when used in high traffic areas and can be cleaned with common cleaning products to maintain a crisp, sharp image.

## Processing

ACRYLITE RP acrylic screen is easy to fabricate. Under proper conditions, sawing, drilling, milling, and even laser cutting can be done to produce the exact shape and size needed for the application.

## Physical Form/Packaging

The material is delivered in sheets on pallets, standard size or tailored to customer requirements. The surfaces are protected with brown kraft paper masking.

## Standard size

Thickness	Length	Width
.118" (3mm)	49" (1,245mm)	97" (2,465mm)

Other sizes may be available upon request.

## Typical property values of ACRYLITE® RP Rear Projection acrylic screen

Properties	Unit	Screen Numbers			Test Method
		0918-8 Clear	1229-6 Light Grey	1230-4 Dark Grey	
<b>Mechanical</b>					
Tensile modulus	MPa	3280	3280	3280	ISO 527-2/1B/5
Yield stress	MPa	72	72	72	ISO 527-2/1B/5
Impact strength (Charpy)	kJ/M <sup>2</sup>	17	17	17	ISO 179/1fu
<b>Optical</b>					
Brightness gain	-	7.5	6.1	4.6	DIN 67530
Half gain angle (verticle/horizontal)	-	40	40	40	
Gloss at 20°	-	<3	<3	<3	
60°	-	<20	<20	<20	
85°	-	<15	<15	<15	
Contrast		100:1	200:1	300:1	
Transmission		85%	61%	42%	
<b>Other</b>					
Density	g/CM <sup>3</sup>	1.19	1.19	1.19	ISO 1183

### Important Notice

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