



SOLAR GARD DATA SHEETS

quantum

QUANTUM SILVER QUANTUM 10

QUANTUM SILVER QUANTUM 20

QUANTUM 37 CDA-S

Some solar films are also available in
security film thickness

RECOMMENDED USE

Commercial/Office/Home Yes
Automotive No
Safety & Security No
Clear: Float-Plate-Laminated Yes
Tinted: Float-Plate-Laminated No
Application Internal only

PRODUCT FEATURES

Heat rejection 70%
UV reduction >99%
Fade reduction 79%
Glare reduction 88%
Day time privacy Good
Night time privacy Good
Shop front see through visibility Poor
Night time see through visibility Poor
External mirror appearance Medium

PHYSICAL PROPERTIES

Gauge (thickness) 1.5 mil
Tensile strength >28,000 lbs/inch²
Combustion Negligible
Melting Point 260°-265°C
Clarity Window glass

PRODUCT QUANTUM SILVER QUANTUM 10

COLOUR SLATE


TYPE QUANTUM DRY ADHESIVE

MANUFACTURERS WARRANTY
DOMESTIC/COMMERCIAL 10 YEARS

SCRATCH RESISTANT STANDARD

STOCK NO. QUANTUM SILVER 9

SOLAR & OPTICAL PERFORMANCE

 WINDOW ENERGY RATING	Clear Glass		Tinted Glass	
	Glass only	Glass film	Glass only	Glass film
Solar Energy Rejection	17	70	40	
Shading Coefficient	.95	3.5	.69	
Solar Transmittance	77.5	8	45.4	
Solar Absorbance	15.4	74	49.3	
Solar Reflectance	7.1	18	5.3	
Visible Light Transmittance	87.2	10	44.4	
Visible Light Absorbance	4.7	71	50.3	
Visible Light Reflectance	8.1	19	5.3	
U Factor	5.85	6.36	6.19	
Emissivity	.84	.85	.75	
UV Transmission	95	<1	23.5	



RECOMMENDED USE

Commercial/Office/Home Yes
 Automotive No
 Safety & Security No
 Clear: Float-Plate-Laminated Yes
 Tinted: Float-Plate-Laminated No
 Application Internal only

PRODUCT FEATURES

Heat rejection 60%
 UV reduction >99%
 Fade reduction 75%
 Glare reduction 75%
 Day time privacy Good
 Night time privacy Poor
 Shop front see through visibility Poor
 Night time see through visibility Good
 External mirror appearance Low/Medium

PHYSICAL PROPERTIES

Gauge (thickness) 1.5 mil
 Tensile strength >28,000 lbs/inch²
 Combustion Negligible
 Melting Point 260°-265°C
 Clarity Window glass

PRODUCT QUANTUM SILVER QUANTUM 20

COLOUR SLATE


TYPE QUANTUM DRY ADHESIVE

MANUFACTURERS WARRANTY
 DOMESTIC/COMMERCIAL 10 YEARS

SCRATCH RESISTANT STANDARD

STOCK NO. QUANTUM SILVER 20

SOLAR & OPTICAL PERFORMANCE

 WINDOW ENERGY RATING	Clear Glass		Tinted Glass	
	Glass only	Glass film	Glass only	Glass film
Solar Energy Rejection	17	60	40	
Shading Coefficient	.95	.46	.69	
Solar Transmittance	77.5	20	45.4	
Solar Absorbance	15.4	70	49.3	
Solar Reflectance	7.1	10	5.3	
Visible Light Transmittance	87.2	21	44.4	
Visible Light Absorbance	4.7	69	50.3	
Visible Light Reflectance	8.1	10	5.3	
U Factor	5.85	6.53	6.19	
Emissivity	.84	.89	.84	
UV Transmission	95	<1	23.5	



RECOMMENDED USE

Commercial/Office/Home Yes
 Automotive No
 Safety & Security No
 Clear: Float-Plate-Laminated Yes
 Tinted: Float-Plate-Laminated Caution
 Application Internal only

PRODUCT QUANTUM CDA-S
 COLOUR SLATE
 TYPE QUANTUM DRY ADHESIVE
 MANUFACTURERS WARRANTY
DOMESTIC/COMMERCIAL 10 YEARS
 SCRATCH RESISTANT STANDARD
 STOCK NO. QUANTUM 37

PRODUCT FEATURES

Heat rejection 47%
 UV reduction >99%
 Fade reduction 67%
 Glare reduction 58%
 Day time privacy Good
 Night time privacy Poor
 Shop front see through visibility Poor
 Night time see through visibility Good
 External mirror appearance Low

PHYSICAL PROPERTIES

Gauge (thickness) 1.5 mil
 Tensile strength >28,000 lbs/inch²
 Combustion Negligible
 Melting Point 260°-265°C
 Clarity Window glass

SOLAR & OPTICAL PERFORMANCE

	Clear Glass		Tinted Glass	
	Glass only	Glass film	Glass only	Glass film
Solar Energy Rejection	17	47	40	
Shading Coefficient	.95	.62	.69	
Solar Transmittance	77.5	37	45.4	
Solar Absorbance	15.4	55	49.3	
Solar Reflectance	7.1	8	5.3	
Visible Light Transmittance	87.2	37	44.4	
Visible Light Absorbance	4.7	54	50.3	
Visible Light Reflectance	8.1	9	5.3	
U Factor	5.85	6.53	6.19	
Emissivity	.84	.94	.84	
UV Transmission	95	<1	23.5	

