

EMF 4426

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	74%
Visible Light Transmitted	7%
Visible Light Reflected (External)	13%
Ultra Violet Rejected	>98%
Shading Coefficient	0.30
SHGC	0.26
U-Value - (W/m ² K)	5.22
Glare Reduction	92%
Solar Energy Reflected	30%
Solar Energy Absorbed	61%
Estimated Fade Reduction*	81%

Benefits:

- Popular for use on commercial buildings with clear glass.
- Gives attractive deep grey appearance externally.
- Stops 74% of heat.
- Helps reduce heat loss in winter.
- Reduces energy costs all year round.
- Designed for areas with severe glare problem.
- Ideal for computer rooms.
- Excellent daytime privacy.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Excellent fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- 7 year warranty - not transferable.

Applied to 6mm clear glass

*This data is a guide enabling an estimate only of fade reduction. As there are variables that cause fading, it would be impossible to give an exact figure. The data therefore does not constitute warranty.



EMF 4437

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	79%
Visible Light Transmitted	15%
Visible Light Reflected (External)	60%
Ultra Violet Rejected	>98%
Shading Coefficient	0.25
SHGC	0.21
U-Value - (W/m ² K)	5.28
Glare Reduction	83%
Solar Energy Reflected	55%
Solar Energy Absorbed	33%
Estimated Fade Reduction*	80%

Benefits:

- W.E.R.S. Rating 5 Stars (cooling).
- Ideal for use on commercial and domestic buildings with coloured glass.
- Biggest selling film in the world.
- Highest solar heat rejection 79%.
- Helps reduce heat loss in winter.
- Reduces energy costs all year round.
- Excellent daytime privacy.
- Dramatically reduces glare. Ideal for computer areas.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Excellent fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

*This data is a guide enabling an estimate only of fade reduction. As there are variables that cause fading, it would be impossible to give an exact figure. The data therefore does not constitute warranty.

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EMF 5343

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	63%
Visible Light Transmitted	24%
Visible Light Reflected (External)	28%
Ultra Violet Rejected	> 98%
Shading Coefficient	0.42
SHGC	0.37
U-Value - (W/m ² K)	5.68
Glare Reduction	73%
Solar Energy Reflected	26%
Solar Energy Absorbed	52%
Estimated Fade Reduction*	74%

Benefits:

- Ideal for commercial buildings on clear glass.
- Advanced sputtering technology.
- Only stabilised metals used in production.
- Original colour guaranteed to last.
- Rejects 63% of heat.
- Provides daytime privacy.
- Good glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Very good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 5354

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	77%
Visible Light Transmitted	19%
Visible Light Reflected (External)	38%
Ultra Violet Rejected	>98%
Shading Coefficient	0.28
SHGC	0.23
U-Value - (W/m ² K)	5.28
Glare Reduction	78%
Solar Energy Reflected	48%
Solar Energy Absorbed	39%
Estimated Fade Reduction*	79%

Benefits:

- Ideal for commercial buildings on clear glass.
- Advanced sputtering technology.
- Only stabilised metals used in production.
- Original colour guaranteed to last.
- Rejects 77% of heat.
- Reduces energy costs all year round.
- Provides daytime privacy.
- Good glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Excellent fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 5321

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	53%
Visible Light Transmitted	40%
Visible Light Reflected (External)	18%
Ultra Violet Rejected	>98%
Shading Coefficient	0.53
SHGC	0.47
U-Value - (W/m ² K)	5.68
Glare Reduction	55%
Solar Energy Reflected	14%
Solar Energy Absorbed	52%
Estimated Fade Reduction*	67%

Benefits:

- W.E.R.S. Rating 2.5 Stars (cooling)/0.5 star (heating).
- Ideal for commercial buildings on clear glass.
- Advanced sputtering technology.
- Popular film for homes.
- Only stabilised metals used in production.
- Original colour guaranteed to last.
- Rejects 53% of heat.
- Provides daytime privacy.
- Good glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Very good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 5365

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	44%
Visible Light Transmitted	48%
Visible Light Reflected (External)	13%
Ultra Violet Rejected	>98%
Shading Coefficient	0.64
SHGC	0.56
U-Value - (W/m ² K)	5.68
Glare Reduction	45%
Solar Energy Reflected	12%
Solar Energy Absorbed	40%
Estimated Fade Reduction*	63%

Benefits:

- W.E.R.S. Rating 2 Stars (cooling)/0.5 (heating).
- Ideal for commercial and residential application.
- Advanced sputtering technology.
- Only stabilised metals used in production.
- Original colour guaranteed to last.
- Rejects 44% of heat.
- Glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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Note: It is the sellers/installers responsibility to determine application & 'duty of care' requirements as required by building standards.

EMF 5387

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	31%
Visible Light Transmitted	63%
Visible Light Reflected (External)	11%
Ultra Violet Rejected	>98%
Shading Coefficient	0.80
SHGC	0.69
U-Value - (W/m ² K)	5.68
Glare Reduction	28%
Solar Energy Reflected	9%
Solar Energy Absorbed	30%
Estimated Fade Reduction*	56%

Benefits:

- Ideal for shop fronts and residential use.
- Advanced sputtering technology.
- Only stabilised metals used in production.
- Clear appearance makes it ideal for display windows.
- Good choice for use on coloured glass.
- Stops 31% of heat.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 4437EX

Solar Control Series - External

Performance Data:

Total Solar Energy Rejected (Heat)	83%
Visible Light Transmitted	13%
Visible Light Reflected (External)	65%
Ultra Violet Rejected	99.9%
Shading Coefficient	0.20
SHGC	0.17
U-Value - (W/m ² K)	5.79
Glare Reduction	85%
Solar Energy Reflected	65%
Solar Energy Absorbed	26%
Estimated Fade Reduction*	82%

Benefits:

- Hybrid Polymer construction with multiple interlocking layers – for extended durability. Note: accelerated weathering tests have shown that the OUTSIDER-exterior solar film, films, have lasted 3 times longer than standard exterior film technologies.
- Up to 83% of solar heat rejected.
- Improvement in working conditions.
- Significant reduction of glare.
- 99%+ reduction of damaging UV rays.
- Patent-pending non-stick coating.
- Increased durability and easier cleaning.
- The hard coated surface is approximately 4 times harder than Kynar coated films resulting in a surface that will not scratch as readily as many other exterior-applied window films.
- Well adapted for installation to single, double glazed and double glazed low-E insulating units.
- Daylight privacy (one-way-mirror) achievable under correct lighting conditions.
- Reduction of CO₂ for the lifetime of the product – potentially tens of thousands of tonnes per year.
- Carbon neutral after 2 months from installation.
- More economical and with little CO₂ impact, compared to a glazing system replacement.
- Carbon neutral 'offset' 2 months from installation.
- Carbon footprint is up to 70 to 115 less than the carbon footprint made when manufacturing aluminium, pvc, glass or wood.

Applied to 6mm clear glass

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EMF 8154

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	73%
Visible Light Transmitted	6%
Visible Light Reflected (External)	13%
Ultra Violet Rejected	> 99%
Shading Coefficient	0.31
SHGC	0.27
U-Value - (W/m ² K)	5.70
Glare Reduction	93%
Solar Energy Reflected	20%
Solar Energy Absorbed	68%
Estimated Fade Reduction*	81%

Benefits:

- W.E.R.S. Rating 3 Stars (cooling).
- Popular for use on commercial buildings with clear glass.
- Gives attractive deep grey appearance externally.
- Stops 73% of heat.
- Reduces energy costs all year round.
- Designed for areas with severe glare problems. Ideal for computer rooms.
- Excellent daytime privacy.
- Strengthens glass for added safety.
- Over 99% of harmful UV rejected.
- Excellent fade reduction.
- World's toughest scratch resistant coating.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty residential - not transferable.

Applied to 6mm clear glass

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EMF 8132

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	62%
Visible Light Transmitted	16%
Visible Light Reflected (External)	12%
Ultra Violet Rejected	>98%
Shading Coefficient	0.43
SHGC	0.38
U-Value - (W/m ² K)	5.70
Glare Reduction	82%
Solar Energy Reflected	11%
Solar Energy Absorbed	69%
Estimated Fade Reduction*	76%

Benefits:

- W.E.R.S rating 3.5 stars (cooling).
- Ideal for computer rooms.
- Excellent for use on windows with a view.
- Provides daytime privacy.
- Gives attractive low sheen grey appearance externally and internally.
- Very low internal reflection day or night.
- Stops 62% of heat.
- Reduces energy costs all year round.
- Excellent glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Very good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 8143

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	56%
Visible Light Transmitted	27%
Visible Light Reflected (External)	13%
Ultra Violet Rejected	>98%
Shading Coefficient	0.50
SHGC	0.44
U-Value - (W/m ² K)	5.80
Glare Reduction	69%
Solar Energy Reflected	11%
Solar Energy Absorbed	60%
Estimated Fade Reduction*	71%

Benefits:

- W.E.R.S rating 2.5 stars (cooling).
- Excellent for use on windows with a view.
- Gives attractive low sheen grey appearance externally and internally.
- Very low internal reflection day or night.
- Stops 56% of heat.
- Reduces energy costs all year round.
- Gives good daytime privacy.
- Excellent glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 1254

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	78%
Visible Light Transmitted	12%
Visible Light Reflected (External)	54%
Ultra Violet Rejected	>98%
Shading Coefficient	0.25
SHGC	0.22
U-Value - (W/m ² K)	5.84
Glare Reduction	86%
Solar Energy Reflected	50%
Solar Energy Absorbed	40%
Estimated Fade Reduction*	81%

Benefits:

- Reduces 78% heat.
- Reduces air conditioning running costs.
- Ideal for use on commercial buildings.
- Low reflective exterior - grey colour.
- Reduces glare by 87%.
- Manufacturer guarantees colour long lasting.
- Blocks out over 98% of ultra violet.
- Ideal for many internal one way vision situations.
- Excellent for daytime privacy.
- Almost 80% fade control.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 1221

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	65%
Visible Light Transmitted	27%
Visible Light Reflected (External)	34%
Ultra Violet Rejected	>98%
Shading Coefficient	0.39
SHGC	0.35
U-Value - (W/m ² K)	5.84
Glare Reduction	69%
Solar Energy Reflected	33%
Solar Energy Absorbed	45%
Estimated Fade Reduction*	74%

Benefits:

- W.E.R.S. Rating 3.5 Stars (cooling).
- Popular for use on commercial buildings.
- Advanced sputtering technology.
- Only stabilised metals used in production.
- Manufactured guarantees colour long lasting.
- Designed to work under extreme heat conditions.
- Reduces 65% heat.
- Reduces energy costs all year round.
- Provides daytime privacy.
- Good glare and fade reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- World's toughest scratch resistant surface.
- Neutral interior appearance.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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EMF 1232

Solar Control Series

Performance Data:

Total Solar Energy Rejected (Heat)	56%
Visible Light Transmitted	37%
Visible Light Reflected (External)	27%
Ultra Violet Rejected	>98%
Shading Coefficient	0.50
SHGC	0.44
U-Value - (W/m ² K)	5.79
Glare Reduction	58%
Solar Energy Reflected	25%
Solar Energy Absorbed	44%
Estimated Fade Reduction*	69%

Benefits:

- Popular for use on commercial buildings with clear laminated glass.
- Advances sputtering technology.
- Only stabilised metals used in production.
- Manufacturer guarantees colour long lasting.
- 56% heat rejection.
- Reduces energy costs all year round.
- Provides daytime privacy.
- Good glare reduction.
- Strengthens glass for added safety.
- Over 98% of harmful UV rejected.
- Good fade reduction.
- World's toughest scratch resistant surface.
- Clear distortion free adhesive.
- Neutral interior appearance.
- Lifetime warranty residential - not transferable.
- 12 year warranty commercial - not transferable.

Applied to 6mm clear glass

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hpwf.