

# Neutral Films

## Low reflectance, high performance

SolarZone Cold Steel films add a subtle gray appearance to glazing for an extremely effective reduction in heat gain and glare that preserves the natural view through the glass. Manufactured using a patented process,

Cold Steel's attractive neutral color delivers excellent solar energy rejection with a surprisingly low visible light reflectance.

### Cold Steel



Cold Steel presents an ideal solution for economic energy-saving projects when it's important to preserve views and retain a natural appearance — both inside and out.

Also available as 6 and 10 mil energy-saving security laminates under the SolarZone Safe range.



20% VLT



50% VLT



35% VLT



70% VLT



Cold Steel 35 inside and out

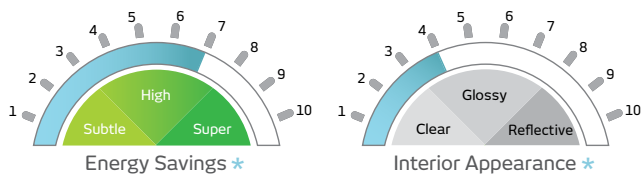


## SolarZone Cold Steel films provide

- **High heat rejection** lowers cooling costs, enhancing comfort
- **High glare reduction** improves screen viewing, reducing eyestrain
- **Neutral color** provides natural gray appearance, inside and out
- **99% UV block** limits fading and damage from the sun

Optical and solar properties**		Cold Steel 20	Cold Steel 35	Cold Steel 50	Cold Steel 70
Item Number	PS adhesive WA adhesive	- R070L6W	- R070L5W	R058L3S R069L3W	R058X4S R069L4W
Visible light transmitted (%)		22	39	51	68
Visible light reflected (interior) (%)		24	15	16	9
Visible light reflected (exterior) (%)		25	17	18	10
Ultraviolet block (%)		99	99	99	99
Total solar energy reflected (%)		29	17	20	10
Total solar energy transmitted (%)		14	29	40	59
Total solar energy absorbed (%)		57	54	40	31
Glare reduction (%)		76	56	43	25
Shading coefficient		0.36	0.52	0.60	0.79
Solar heat gain coeff. (G-value)		0.30	0.45	0.51	0.69
Winter U-value (IP) BTU/(hr×F×ft²)		1.00	1.03	1.04	1.08
Winter U-value (SI) W/(°K×m²)		5.68	5.85	5.91	6.13
Emissivity		0.76	0.82	0.84	0.91
Total solar energy rejected (%)		70	55	49	31

\*\*Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.



\* Comparative scale, at similar levels of light transmission, and with reflective films as benchmark

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