PolyZone –
Solar Control & Protective Films for Rigid Plastic Substrates

PolyZone - The answer to upgrading plastic glazing

Hanita Coatings' PolyZone solar control and protective films ensure bubble-free installation to most polycarbonate, PMMA and other rigid plastics.

PolyZone is engineered to extend the substrate's lifetime, and enhance its performance. A novel adhesive formulation ensures compatibility with plastic substrates and enables clean removal while exceptional hard coats deliver improved functionality, excellent outdoor resistance and an extended lifetime.

PolyZone Protect for clear substrate protection

Protecting polycarbonate and PMMA from graffiti, vandalism and everyday wear and tear, PolyZone Protect films provide the ideal solution for plastic glazing applications in busy areas —

• Bus/transportation shelters • Walkways • Acoustic barriers • Stadiums • Train windows

PolyZone 4 mil Clear Xtra

Keeps plastic glazing looking as good as the day it was installed.

PolyZone 6 mil Anti-Graffiti Xtra

The scratch-resistant coating shrugs off most spray, paint, acid and pen – and wipes clean with basic cleaning materials.

A thick 6 mil construction and clean-removal adhesive protect glazing from etching and gouging by vandals.

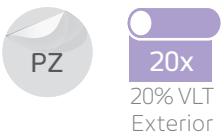
PolyZone Sun Control, transparent solar control films

PolyZone Silver films transform polycarbonate or acrylic-glazed areas, preventing overheating and significantly reducing glare. By drastically reducing the cooling load on air-conditioning systems, PolyZone Sun Control films also deliver exceptional energy savings. The recommended solution for:

• Mall roofing • Skylights • Conservatories • Atriums • Sports facilities • Pools

PolyZone Silver 20 Xtra

Scratch-resistant coating developed for exterior application on vertical or steeply sloped plastic glazing



XTRM PolyZone SkyLite S20X

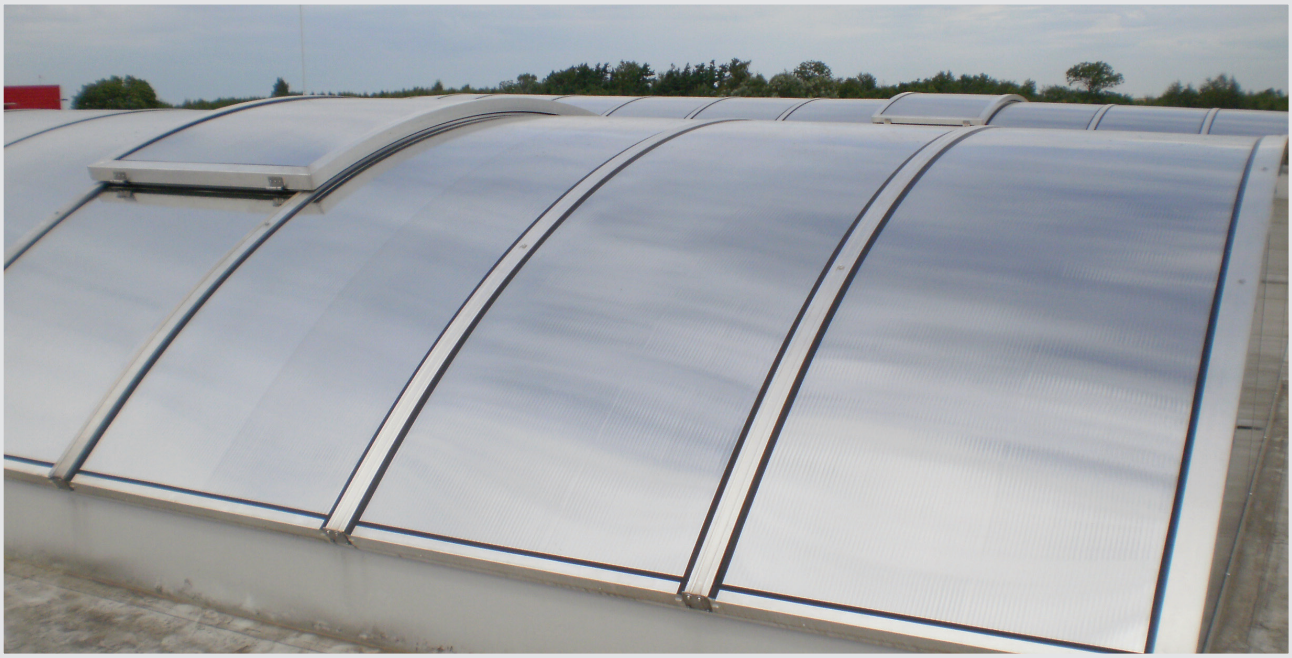
Outstanding resistance to extreme weather conditions; designed for flat, curved and sloped roofing applications only.

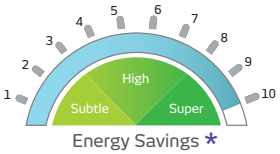
XTRM installation training required.

* Please refer to Warranty, warranty explanation and Technical Guide - Installation and Maintenance of Hanita PolyZone Films for Rigid Plastic Glazing. Edge sealant required for PZ solar control films.

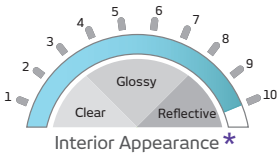
Optical and Solar Properties	PolyZone 4 mil Clear Xtra	PolyZone 6 mil Anti-Graffiti	PolyZone Silver 20 Xtra *	XTRM PolyZone SkyLite S20X*
Item number	R1210XP	R1731XP	R0705XP	R157X5P
Visible light transmitted (%)	88	88	16	15
Visible light reflected (interior) (%)	10	10	63	63
Visible light reflected (exterior) (%)	10	10	64	66
Ultraviolet block (%)	99.9	99	99	99.9
Total solar energy reflected (%)	10	10	65	64
Total solar energy transmitted (%)	90	80	12	10
Total solar energy absorbed (%)	10	10	23	26
Glare reduction (%)	2	2	82	84
Shading coefficient	0.96	0.96	0.22	0.2
Solar heat gain coeff. (G-Value)	0.83	0.83	0.19	0.17
U-value winter (IP)	-	-	1.04	1.03
U-value winter (SI)	-	-	5.91	5.85
Total solar energy rejected (%)	17	17	81	83

For exterior installation





Energy Savings *



Interior Appearance *

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

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