TranquilGuard
BY PENTAGON

Expand Possibilities

Tranquility By Design

3 **PROTECT** your environment from insects, wind, and rain

2 **SHADE** your home from damaging sunlight and UV rays

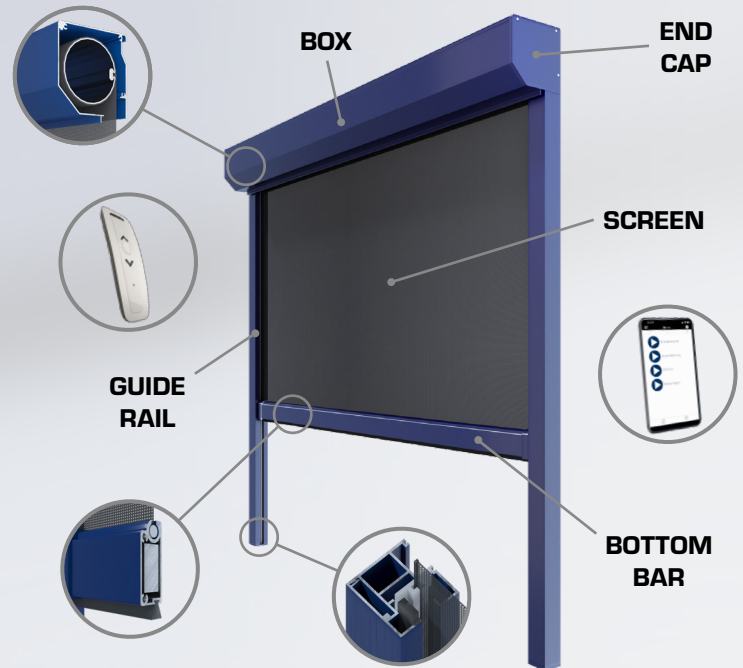**1** **SCREEN** your favorite spaces, sunroom, or covered patio

Retractable Screens

OPERATION

- Minimal size, high-tech extruded aluminum box housing
- Simple operation, controlled by switch, remote, Wi-Fi, or app
- Safe, long-lasting performance with the latest in motorized technologies
- 2-part guide rails for a clean install and enduring serviceability
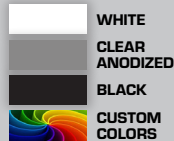- Maximum energy conservation while creating blissful spaces

MATERIALS

- Extensive variety of beautiful fabric designs and color options
- Gorgeous selection of low maintenance materials
- Commercial-grade aluminum - Environmentally friendly material with positive effects during production and long-term operation
- High strength screen textile is resistant to deformation, even under heavy load
- Textile is zip secured to guide rails providing extra strength
- Wide range of fabric shine and coating grades guarantees a premium and long lasting finish

BOX

END CAP

SCREEN

GUIDE RAIL

BOTTOM BAR

FRAME COLOR OPTIONS

- Choice of standard colors or custom colors available
- High quality finishes with excellent durability
- Next-generation double-layer surface powder coating

- WHITE
- CLEAR ANODIZED
- BLACK
- CUSTOM COLORS

SCREEN TEXTILE OPTIONS

Shade	Insect Plus	Vinyl Plus	Clear Plus	18x14 Screen
5-25% OF	36-46% OF	0% OF	0% OF	55% OF

*OF - Openness Factor

1 SCREEN

- Superior insect protection and increased privacy
- Textiles available to block all insects, even annoying "no-see-ums"
- Industry leading wind limits of up to *90 mph (145 kph)

2 SHADE

- Includes optimum anti-glare technology
- Saves heating and cooling costs by regulating room temperatures
- Heat input can be adjusted, making it even more energy efficient

3 PROTECT

- Repels water, UV rays, mold, and dirt through state-of-the-art innovations
- Significantly reduces the amount of solar radiation and UV damage
- Enjoy natural daylight and embrace your spectacular view

*Depending on size and installation location

SCREEN TEXTILES AND SIZING

Pentagon TranquilGuard screen fabrics are sourced from the leading textile mills from around the globe to ensure we supply the best quality products to enhance your tranquility and provide you with the best experience and long-term satisfaction.

SHADE 80

Material Description	Thickness	Openness	UV Blockage
Shade 80 is a fade resistant, and made of strong vinyl-coated polyester. It is ideal for use as a shading fabric.	0.04 in (1.016 mm)	25%	75%

SHADE 90

Material Description	Thickness	Openness	UV Blockage
Shade 90 is a fade resistant, and made of strong vinyl-coated polyester. This fabric offers excellent UV protection.	0.039 in (0.991 mm)	10%	90%

SHADE 95

Material Description	Thickness	Openness	UV Blockage
Shade 95 a full basketweave vinyl-coated polyester fabric that offers increased heat and glare control.	0.029 in (0.737 mm)	5%	95%

SHADE 97

Material Description	Thickness	Openness	UV Blockage
Shade 97 a full basketweave vinyl-coated polyester fabric. This fabric provides excellent daytime privacy.	0.033 in (0.838 mm)	3%	97%

VINYL PLUS

Material Description	Thickness	Openness	UV Blockage
Vinyl Plus is a vinyl-coated PVC fabric providing the utmost privacy with maximum sun and UV protection.	0.021 in (0.54 mm)	0%	100%

CLEAR PLUS

Material Description	Thickness	Openness	UV Blockage
Clear Plus is a clear vinyl that is double polished crystal clear. It holds up in temperatures down to -40°.	0.02 in (0.5 mm)	0%	0%/50%

INSECT PLUS

Material Description	Thickness	Openness	UV Blockage
Insect Plus is a durable vinyl-coated polyester that is stronger than traditional insect screening.	0.025 in (0.635 mm)	46%	54%

INSECT PLUS NO-SEE-UM

Material Description	Thickness	Openness	UV Blockage
Insect Plus No-see-um is a durable, tightly woven, vinyl-coated polyester designed to stop small insects.	0.021 in (0.533 mm)	47%	53%

INSECT PLUS PET

Material Description	Thickness	Openness	UV Blockage
Insect Plus Pet is a vinyl-coated polyester that is tear and puncture-resistant to minimize damage from pets.	0.036 in (0.914 mm)	36%	64%

18x14 SCREEN

Material Description	Thickness	Openness	UV Blockage
18x14 fiberglass mesh screen can withstand debris from harsh winds and storms, while keeping most insects out.	0.015 in (0.381 mm)	55%	45%

FRAME AND SCREEN SIZING

Box Size	Guide Rail Size	Bottom Bar Height	Minimum Screen Size	Maximum Screen Size	Maximum Screen Area
4 in (105 mm)	1.5 in (37.5 mm)	1.75 in (44 mm)	Width - 28 in (71 cm) Height - 12 in (30 cm)	Width - 14 ft 8 in (449 cm) Height - 19 ft (580 cm)	129 sq. ft (12 sq. m)
5 in (125 mm)	1.5 in (37.5 mm)	1.75 in (44 mm)	Width - 28 in (71 cm) Height - 12 in (30 cm)	Width - 19 ft (580 cm) Height - 19 ft (580 cm)	161 sq. ft (15 sq. m)

Pentagon
SECURITY SHUTTERS