



BALCONY & EXTERIOR SCREENS

- EXTERIOR ZIP SCREEN
- SUPER WIDE SCREEN
- BALCONY INSECT NET
- DUAL ZIP SCREEN

MADE IN USA





Company Profile

We are a leading provider of Zip Screen solutions, our company stands at the forefront of innovation in outdoor living. Our products seamlessly blend functionality with style, offering customers a solution that enhances both the aesthetics and usability of their spaces. Zip Screens not only shield from the sun's rays but also provide privacy and protection against insects, all while allowing for airflow and maintaining visibility.

Renowned within the industry, our products have gained widespread recognition and are exported to various regions including Africa, the Middle East, Southeast Asia, and beyond. We are recognized as the premier supplier of exterior zip screens in India, delivering unmatched quality and service to our valued clientele.



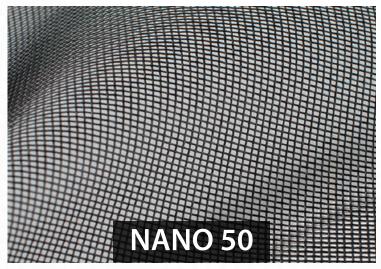
About Product

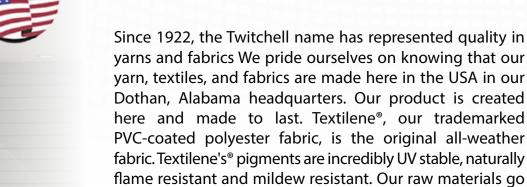
Zip Screen promises to unlock your home's hidden potential without the time-consuming stress & cost of conventional renovations. Enhance your space and create an outdoor den for relaxation in natural elements and hassle-free & comfortable Family/Guest entertainment. Weather Shield Zip Screens are a barrier against wind, rain, sun, heat & cold without compromising on aesthetics views or privacy.

Zip Screen Fabric is of exterior grade and has undergone extremely tough tests to be rated as one of the best exterior screens in the World. The fabric is UV-resistant & ultra-durable. The product is ideal for homes, balconies, resorts, hotels, high-rise apartments & offices to protect from insects, heat, rain, cold and harmful UV rays without blocking beautiful views.

100 YEARS OF AMERICA AND EXCELLENCE WOVEN INTO YOUR LIFE







less susceptible to shrinkage.



through a unique heating process to make the core yarn



Features

- Retracts vertically
- Weighted slidebar
- Various color and openness options
- In-wall or hand-held remote controls

Large Openings



Benefits

- Solar shading
- Insect protection
- Fresh air ventilation
- Lower air conditioning costs

Balcony Zip Screen



Installation options

- Surface mount
- Recessed into walls, columnsand ceiling cavities

Insect Zip Screen





Imagine having motorized screens that disappear at the touch of a button. Or being able to screen wide glass wall. Imagine being able to move seamlessly between indoor and outdoor spaces without the intense glare of the sun or annoying mosquitoes. You can, thanks to

CUSTOMISED SIZES





Weather Shield retractable screens for large openings. With Weather Shield Screens, outdoor living is an insect-free pleasure and summer entertaining at home is easy! Customized to each building project, zip screens merge perfectly with the décor to maintain the integrity of your design. These retractable screens can be mounted recess from view or on existing structures. Zip screens can be integrated into every type of architectural style including wood, brick, stucco, natural stone an concrete.



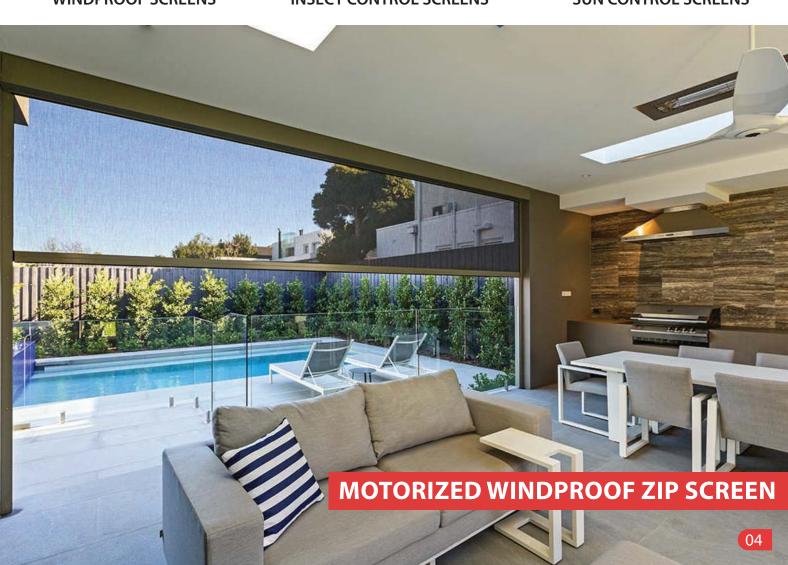




WINDPROOF SCREENS

INSECT CONTROL SCREENS

SUN CONTROL SCREENS





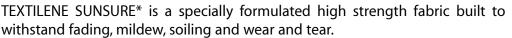
100 YEARS OF AMERICA AND EXCELLENCE WOVEN INTO YOUR LIFE

Just like the individual yarns that make up our fabrics, Twitchell Technical Products blends 100 years of innovative products, brand excellence, and custom solutions into a pattern of success. Our fabrics are in hundreds of products across multiple industries.

Not only do we have a large selection of stock fabrics, but we can produce custom fabrics to meet your unique needs. Our custom solutions offer limitless possibilities. Twitchell's ability to vertically integrate our technology and create custom solutions gives you the ultimate advantage over your competitors.

At Twitchell, our mission is to ensure you are thrilled with every product ordered every single time we align with your goals with a platinum service plan for a long-term focus.





SUNSURE* has up to a 92% shade factor making it the right choice for several outdoor applications.

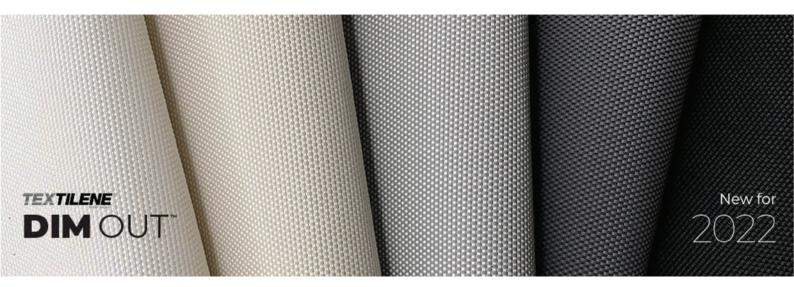
It is specially designed to remain vibrant and colorful for years even through continuous outdoor exposure and under the most severe weather conditions.











MADE IN USA



The Twitchell Coated division is ISO certified in developing, and producing specialty extrusion-coated and laminated products. ISO certification certifies that a management system, manufacturing process, service, or documentation procedure has all the requirements for standardization and quality assurance. ISO - International Organization for Standardization is an independent, non-governmental, international organization that develops standards to ensure the quality, safety, and efficiency of products, services, and systems.





TEXTILENE 80

TEXTILENE® 90



White T18DES043 x 72" T18DES047 x 96" T18DES266 x 126"

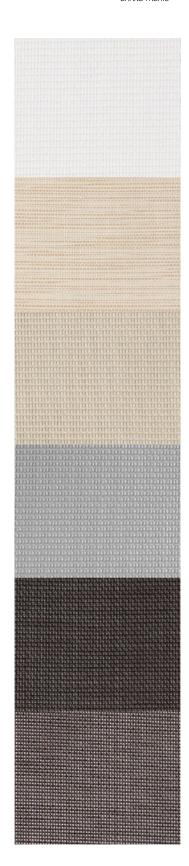
Desert Sand T18BET002 x 36" T18BET003 x 48" T18BET006 x 60" T18BET001 x 72" T18BET011 x 96" T18BET035 x 126"

Sandstone T18DES191 x 36" T18DES194 x 48" T18DES192 x 60" T18DES190 x 72" T18DES237 x 96" T18DES267 x 126"

Dusk Grey T18DES183 x 36" T18DES182 x 48" T18DES181 x 60" T18DES180 x 72" T18DES179 x 96" T18DES270 x 126"

Brown T18DES177 x 36" T18DES176 x 48" T18DES175 x 60" T18DES174 x 72" T18DES173 x 96" T18DES271 x 126"

Black/Brown T18DET020 x 36" T18DET021 x 48" T18DET025 x 60" T18DET022 x 72" T18DET023 x 96" T18DET027 x 126"



White T18DCS028 x 72" T18DCS085 x 96" T18DCS130 x 126"

Desert Sand T18BCT010 x 36" T18BCT011 x 48" T18BCT012 x 60" T18BCT002 x 72" T18BCT014 x 96" T18BCT021 x 126"

Sandstone T18DCS076 x 36" T18DCS077 x 48" T18DCS078 x 60" T18DCS039 x 72" T18DCS081 x 96" T18DCS129 x 126"

Dusk Grey
T18DCS019 x 36"
T18DCS016 x 48"
T18DCS020 x 60"
T18DCS018 x 72"
T18DCS015 x 96"
T18DCS0126 x 126"

T18DCS012 x 36" T18DCS009 x 48" T18DCS013 x 60" T18DCS011 x 72" T18DCS080 x 96" T18DCS128 x 126"

Brown

Black/Brown T18DCT025 x 36" T18DCT026 x 48" T18DCT032 x 60" T18DCT027 x 72" T18DCT028 x 96" T18DCT034 x 126"

Specifications

REACH Compliant - Regulated by Registration, Evaluation, Authorization and Restriction of Chemicals. REACH places greater responsibility on industry to manage the risks that chemicals may pose to human health and the environment.

Fire Classification - Passes California U.S. Title 19 (small scale), NFPA701-2015 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class 1), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM #2 (large scale), and CAN/ULC-S 109-03 (large and small scale).

Bacteria and Fungal Resistance - Passes ASTM E 2180, ASTM G21. Includes specially formulated antimicrobial.

RoHS Compliant - Free of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).

Children's Toy Act - Does not contain harmful phthalates listed under Section 108 of the Consumer Product Safety Improvement Act of 2008 (CPSIA).

Environmental Certification - GREENGUARD gold certified. Acceptable for use in environments such as schools and healthcare facilities. Complies with requirements of the State of California's Department of Public Health "Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)" (also known as California Section 01350).

Warranty -Twitchell Technical Products, LLC produces durable, all weather fabrics that are unmatched for quality and durability. Textilene® 80 and Textilene® 90 brand fabrics are covered by a 15-year limited warranty from the original date of purchase against defects of workmanship and materials, and/or excessive loss of color or strength from normal exposure conditions, including sunlight, rot, mildew, or atmospheric chemicals that might render it unserviceable.





REACH COMPLIANCE

TICATANIT II



LEAD FRE



ANTIMICROBIAL

PRINTARIA





RoHS COMPLIANT

LIMITED WARRANTY





TOY ACT

MADE IN US

Technical Data

Attribute

Construction, end/inch

Tensile Strength (grab), lbf / daN

Tensile Strength (strip), lbf / daN

Abrasion Resistance (CS10/500 cycles/ with no added weight)

Flammability Rating
Weatherability, 1200 hours

Mildew Resistance

Thickness, inches/mm

Tear Strength (trapezoidal), lbf / daN

Weight, oz/yd2

Weight, g/m²

Elongation, %

Item Number: T18DES, T18BET, T18DET, T18DCS, T18BCT, T18DCT
Product Description: A woven fabric using .025" diameter vinyl coated 1000 denier polyester core yarns in the warp and fill.

These results are a representation of real data from single test samples. Presently no specification is incorporated.

ASTM

D3775-12

D3776-09 D3776-09

D5034-09

D5035-11

D5035-11

D3884-09

G154

G21-13

D1777-96

D5733

TEXTILENE 80

Warp	Fill	Typical
16.0 ±0.5	14.5 ±0.5	
		13.0
		440.8
304.7/138.2	290.9/132.0	
230.7/104.6	193.7/87.9	
76.8/34.8	58.8/26.7	
13.8	13.0	
N	o Exposure of Core	Yarn
	CS191-53 & CA117	'E
	Trace Discoloratio	n
	No growth	
		.0328"/.83312mm

TEXTILENE 90

Warp	Fill	Typical
20.0 ±0.5	18.0 ±0.5	
		15.8
		535,8
608.3/275.9	527.3/239.2	
269.8/121.9	225.3/102.2	
68.3/31.0	67.6/30.7	
29.3	29.8	
N	o Exposure of Core \	⁄arn
(CA Title 19 & NFPA 7	01
	Trace Discoloration	Ŋ
	No growth	
		.0345"/.8763m

		T۱	witcl	nell I	exter	ior V	Vind	ow S	hade	Sol	ar So	reer	1		
									Shading Coefficient						
	Profile	1	fotal Sola	ır		Visible		UV	0.F.	1/8" Clr.	1/4"	1/4"	Clr.	HAV	
	Angle	Trans.	Ref.	Abs	Trans.	Ref.	Abs.	Trans.	U.F.	Clr.	Cir.	Clr.	Dbl.	Dbl.	
TEXTILENE® 80	0	0.24	0.03	0.73	0.21	0.04	0.75	0.33	0.23	0.33	0.33	0.31	0.28	0.26	
	45	0.20	0.03	0.77	0.18	0.04	0.78	0.29	n/a	0.29	0.29	0.27	0.25	0.22	
TEXTILENE® 90	0	0.13	0.0	0.83	0.14	0.06	0.78	0.15	0.13	0.23	0.23	0.22	0.19	0.16	
	45	0.09	0.06	0.86	0.11	0.06	0.83	n/a	n/a	0.19	0.19	0.18	0.15	0.14	

DISTRIBUTED OR MANUFACTURED BY:



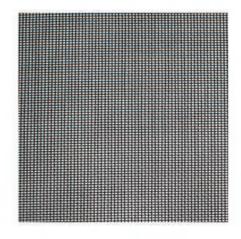




Technical Data

Product Description: A fabric using .014" diameter vinyl coated 420 denier polyester core yarns woven in the warp and fill direction.

nano™ 50



Black T18FBS006 x 36" T18FBS007 x 48" T18FBS011 x 60" T18FBS001 x 72" T18FBS005 x 84" T18FBS002 x 96" T18FBS004 x 108" T18FBS016 x 120" T18FBS032 x 126"

nano™ 55



Black T18FFS003 x 120" T18FBS010 x 126"

nano™ 60



Black
T18FHS008 x 36"
T18FHS001 x 48"
T18FHS009 x 60"
T18FHS006 x 72"
T18FHS010 x 84"
T18FHS002 x 96"
T18FHS005 x 108"
T18FHS003 x 120"
T18FHS022 x 126"

Specifications















nano™ 50 - Item Number: T18FBS

Attribute	ASTM	Warp	Fill	Typical			
Construction, end/inch	D3775-12	17.0 ±0.5	14.0 ±0.5				
Weight, oz/yd²	D3776-09	8	8	5.9			
Weight, g/m ²	D3776-09	9		200			
Tensile Strength (grab), lbf/daN	D5034-09	229.2 / 102	230.7 / 102.6				
Tensile Strength (strip), lbf /daN	D5035-11	111.6 / 49.6	85.5 / 38				
Tear Strength (trapezoidal), lbf /daN	D5733	24.9 / 11.1	42.9 / 19.1				
Elongation, %	D5035-11	29.8	21.6				
Abrasion Resistance (CS10,500 cycles/ with no added weight)	D3884-09	No	Exposure of Core	Yam			
Flammability Rating		CA TB 117-2013					
Weatherability, 1200 hours	G154	Trace Discoloration					
Mildew Resistance	G21-13		No Growth				
Thickness, inches/mm	D1777-96	0.021" / 0.533mm					

nano™ 55 - Item Number: T18FFS

Attribute	ASTM	Warp	Fill	Typical			
Construction, end/inch	D3775-12	17.0 ±0.5	17.0 ±0.5				
Weight, oz/yd²	D3776-09			7.1			
Weight, g/m ²	D3776-09	8	8	240.7			
Tensile Strength (grab), lbf /daN	D5034-09	273.3 / 121.6	339.4 / 151				
Tensile Strength (strip), lbf/daN	D5035-11	100.9 / 44.9	116.1 / 51.6				
Tear Strength (trapezoidal), lbf /daN	D5733	28.2 / 12.5	25.7 / 11.4				
Elongation, %	D5035-11	21.5	29.9				
Abrasion Resistance (CS10/S00 cycles/ with no added weight)	D3884-09	No	Exposure of Core	e Yarn			
Flammability Rating			CA TB 117-201	3			
Weatherability, 1200 hours	G154	Trace Discoloration					
Mildew Resistance	G21-13		No Growth				
Thickness, inches/mm	D1777-96	0.022" / 0.5588mm					

nano™ 60 - Item Number: T18FHS

Attribute	ASTM	Warp	Fill	Typical
Construction, end/inch	D3775-12	17.0 ±0.5	20.0 ±0.5	
Weight, oz/yd ²	D3776-09	8	*	7.3
Weight, g/m ²	D3776-09	*	*	247.5
Tensile Strength (grab), lbf /daN	D5034-09	274.1 / 121.9	232.6 / 103.5	
Tensile Strength (strip), lbf/daN	D5035-11	122.8 / 54.6	107.6 / 47.9	
Tear Strength (trapezoidal), lbf /daN	D5733	35.5 / 15.8	32.6 / 14.5	
Elongation, %	D5035-11	30.8	25.4	
Abrasion Resistance (CS10/500 cycles/ with no added weight)	D3884-09	No	Exposure of Core	Yarn
Flammability Rating			CA TB 117-201	3
Weatherability, 1200 hours	G154		Trace Discolorati	on
Mildew Resistance	G21-13		No Growth	
Thickness, inches/mm	D1777-96		0.022" /	0.559mm

Largest Range Available

Solution for all Requirements



WS-120 Motorized Windproof Zip Screens

Width up to 6 meters, multiple smart home connections, widely used in sunrooms, clubhouses, balconies and other high-end places.



WS-120 Spring Windproof Zip Screens

Width up to 4 m; suitable for small to medium -sized, not very high, no power supply locations.



WS-100 Small Windproof Zip Screens

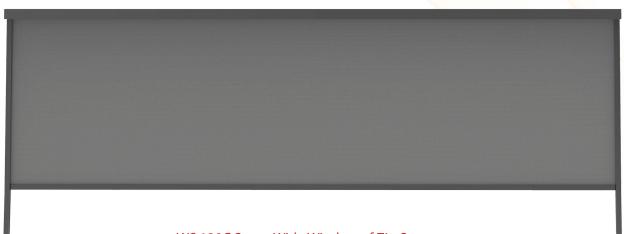
100mm cassette size. Suitable for small openings. Also used in interior locations.



WS 120 Small Windproof Zip Screens

Dual screen in a single cassette. Used in blackout & sheer screen or sun & insect screen combinations.





WS 120C Super Wide Windproof Zip Screens

Width up to 12 meters. Used for super wide openings. Only motorised operations. Suitable for large balconies, showrooms, wide verandas, terrace gazebo.



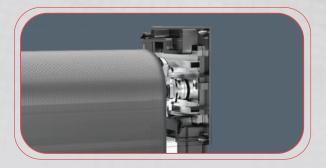
Core technology

Smart balancer makes the windproof Zip Screen more durable



WEATHER SHIELD



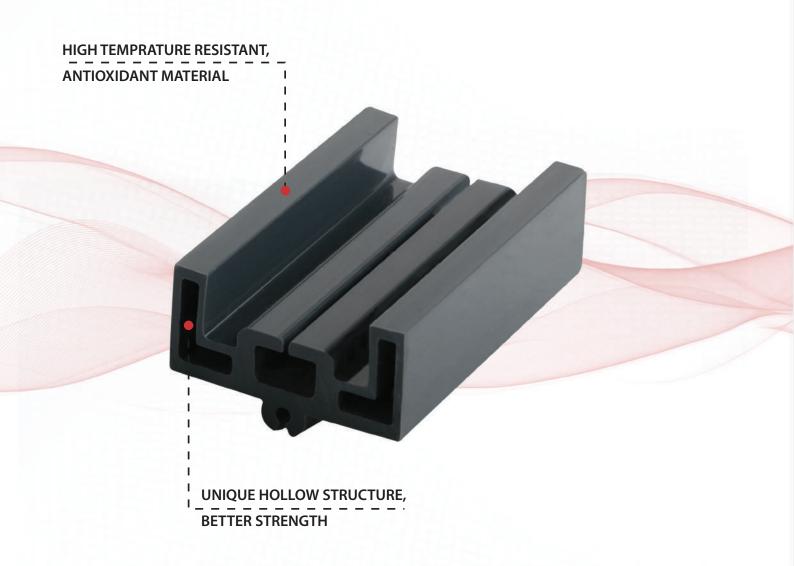




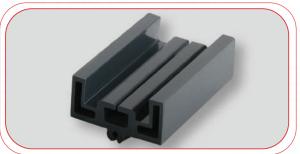
Core technology Q

Hollow Structure
High temprature resistant
zipper guide keep the zipper stable







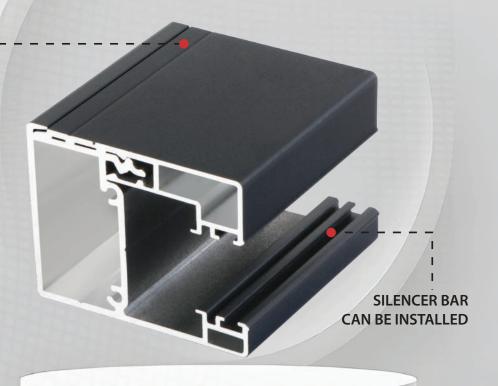


Core technology 03

No screws installation side rail, more convenient disassembly



INSERT BAYONET DIAGONALLY FOR EASY DISASSEMBLY





EXTERNAL BUCKET TYPE,
BETTER WIND RESISTANCE

WS 120 snap side rail



Fabric oriented technique make the windproof zip screen more flat





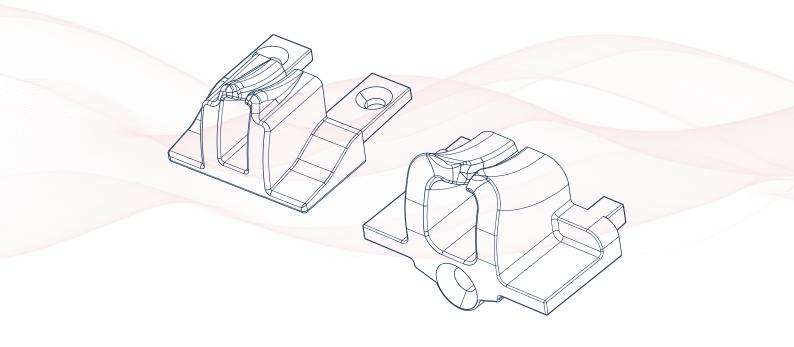


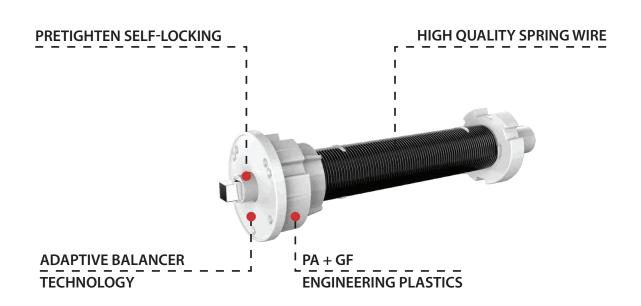
- Equipped with wear-resistant nanostrips to reduce fabric friction noise
- At the same time will face the zipper vertical direction into the guide rail
- Nanostrip assisted, the balancer automatically adjusts the center position according to the amount of the winding of the fabric to ensure that the fabric is protected at aligned Angle to ensure life



No screws installation side rail, more convenient disassembly







Self-balancing adjusting spring system





WS 100 General Windproof zip screen application characteristics

WS100 Windproof zip screens

Plug-in mounting seat structure







System tail motor mounting seat

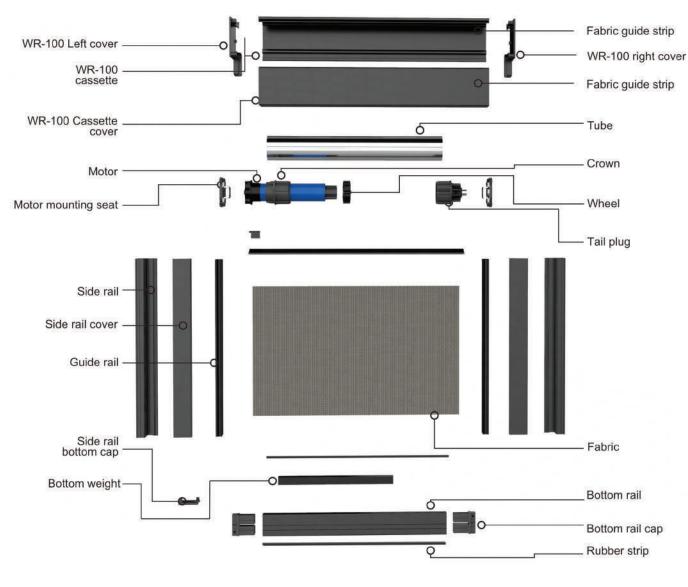


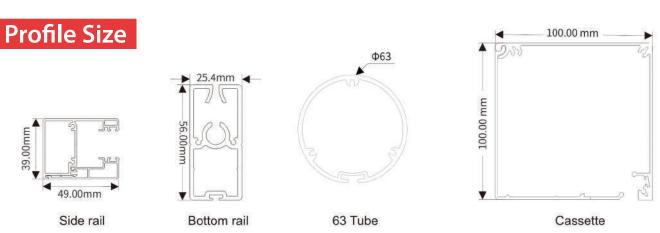
Outdoor and indoor universal Windproof series

- 100*100mm cassette system; Small and delicate, can be used indoors and outdoors
- Plug in mounting base
- Optional clamp side rail, three piece side rail system
- Hollow zipper guide rail, good strength
- The use of ultra-thick 63 double-layer tube, windproof blinds up to 4 meters wide, height less than 3.2 meters
- Chain control, hand crank, hand push, Motorized, four operating systems, Meet the needs of most of clients



WS 100 Windproof zip screen diagram

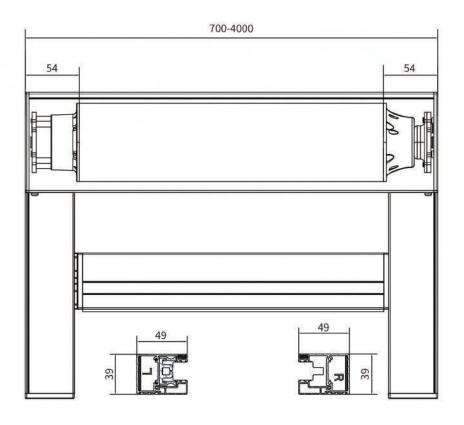


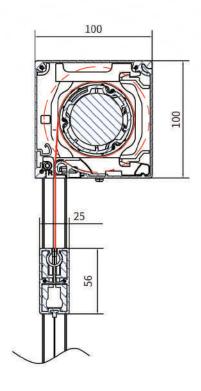




WS 100 Windproof zip screen recommendation

	The sp	ecific	ation red	commendat	ion of wi	ndproof	zip screen			
Height	Using 63 tubes, the maximum height exceeds 4 m or less, and using 55 tubes, the maximum width is less than 2.5 m.									
Width	Widtl	Width <4m Width								
Categ- ory	Drive System	Alum- inum Tube	Bottom rail	DriveSystem	Aluminum tube	Bottom rail	Remarks	bemade		
	35tubular motor AM35-10/17,10NM	63mm Tube	Heavy bottom rail					0.67M		
Moto- rized	45 Tubular motor 20NM	63mm Tube	Heavy bottom rail					0.67M		
Hand push	Tl001 Spring system	63mm Tube	Easy to pull bottom rail				It is recommended that the width is below 3 meters, the height is below 2.2 meters, and the super high will pay for the retractor or push rod	0.9M		
Chain control	WR100-63 clutch	63mm Tube	Heavy bottom rail	WR100-55 clutch	55mm Tube	Heavy bottom rail	Using 55 tubes the height can exceed 4 meters	0.38M		



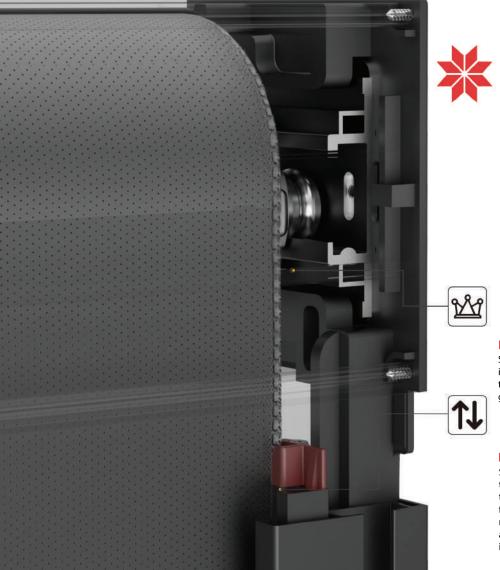




WS 120 Windproof zip screen application features

- 120x120mm Cassette system;
- Smart balancer, windproof roller blinds last longer
- External buckle side rail, excellent windproof performance
- Double zipper guide for better strength
- Ultra-thick 78 double-layer tube, windproof curtain up to 6 meters wide, using 63 aluminum tube, height up to 6 meters
- Pull bead, hand push, hand, electric operating system, to meet the different needs of customers





SMART BALANCER

SMART BALANCER MAKES WINDPROOF ZIP SCREEN MORE DURABLE

FLAT & STRAIGHT

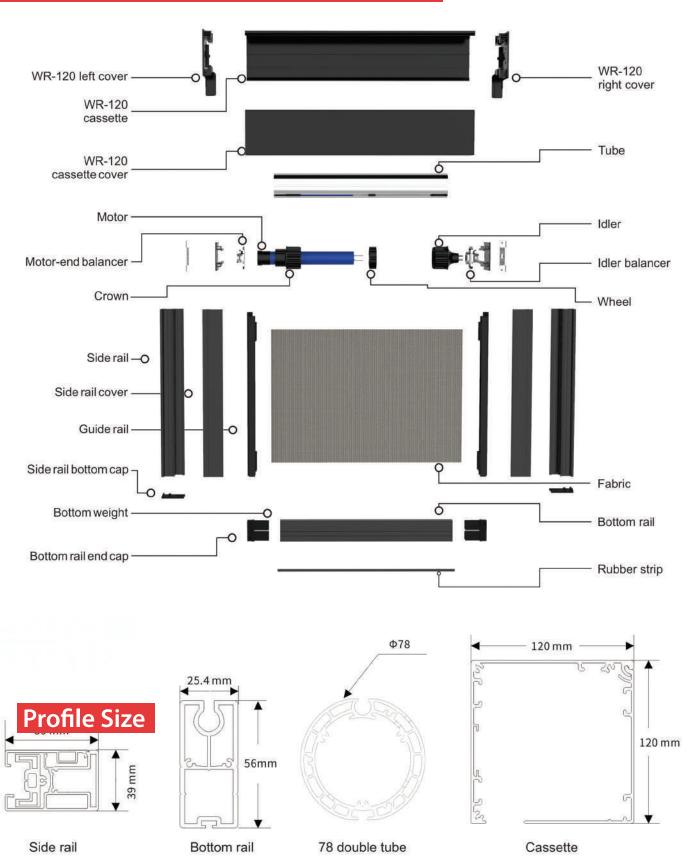
Smart Balancer: Ensures the fabric is released or wound from the roller tube at an angle parallel to the zipper guide resulting flat & straight zip screens.

FULL CARE OF ZIPPERS

Smart Balancer: Automatically adjusts the position of the zip to the centre of the roller according to the tension of the fabric. This ensures smooth unhindered movement of the zipper in the guide and avoids jamming and zipper damage thus improving life of the product.



WS 120 Windproof zip screen diagram

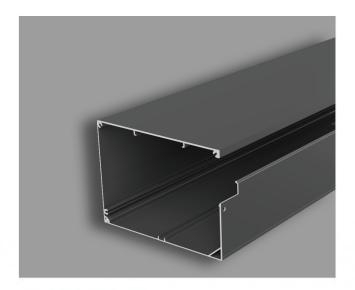


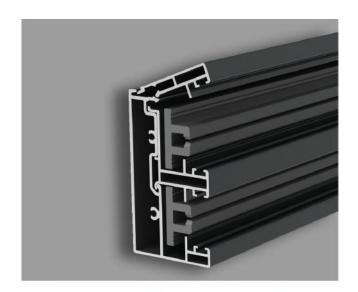


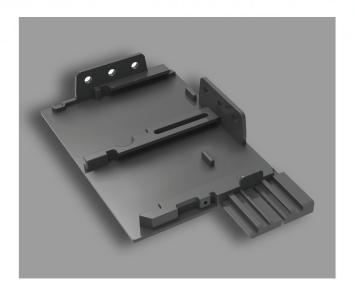


WS 120D Double Windproof zip screens

- 130*180mm cassette system, Install two layers of semi-shading and full-shading fabrics
- Button-type mounting base, easy to install
- Side buckle double track, easy to install
- Small zipper rail. Compact structure
- The use of ultra-thick 63 double-layer tube, windproof blind up to 4 meters wide, height less than 3.2 meters
- Electric operating system, special use for indoor places







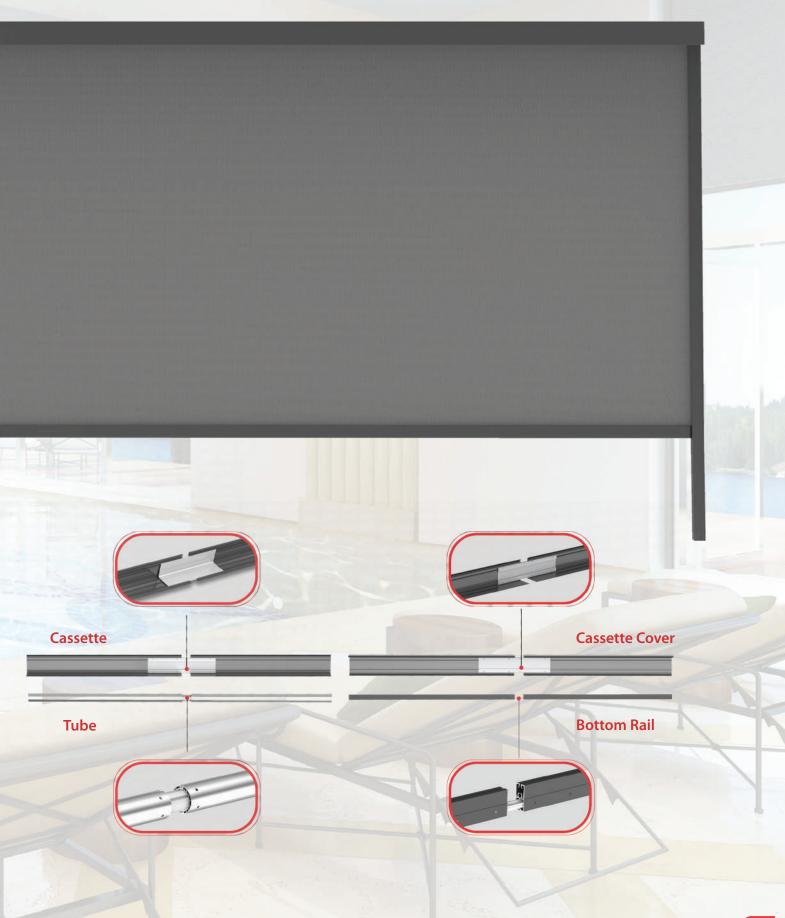


WS120C Superwide Windproof Zip Screens

Special Features

- The Cassette, Tube and Bottom Rail will be Connected
- Super Wide Zip Screen can be installed in High-Rise Building
- Can Carry in Lift to Higher Floors in Knocked Down Condition
- At the Site Assembly of the Finished Zip Screen
- The Width does not exceed 12 meters
- The Height does not exceed 3.5 meters









WEATHER SHIELD INDIA

Krishna Colony, Sector-25, Ballabhgarh Faridabad-121004, Haryana

Delhi, Mumbai, Bengaluru, Kolkata, Guwahati