

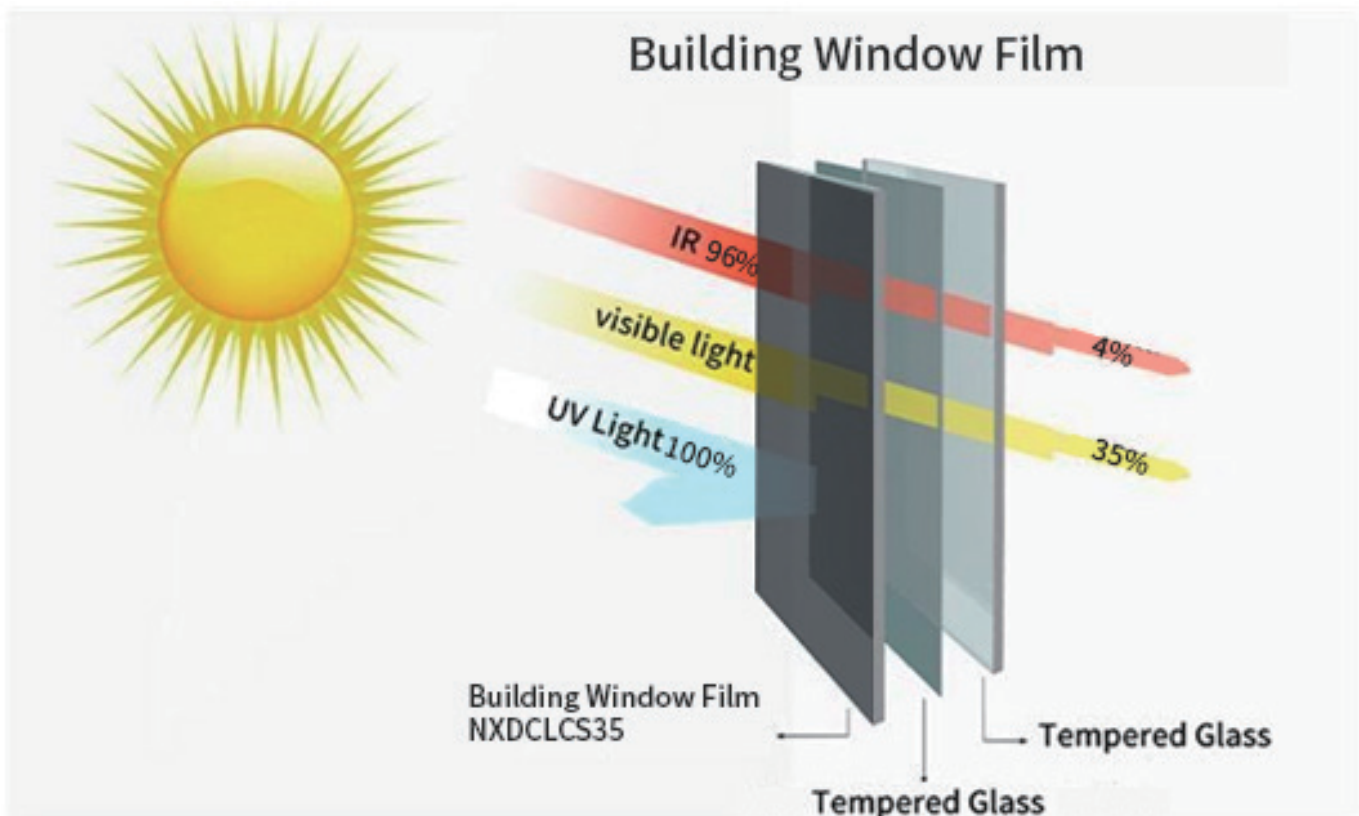
BUILDING WINDOW FILM

High-Performance Building Window Films:

Our Nano-Ceramic Single-Layer Structure sets a new standard in the window film industry. Engineered for exceptional durability and extended lifespan, this single-layer structure ensures superior stability compared to competitors, who often rely on multi-layer coatings or magnetron sputtering techniques that result in inconsistent quality. Our films are designed as one integrated unit, offering uncompromising performance that stands the test of time.

Infrared Radiation Blocking:

Our films effectively block up to 98% of infrared radiation, making them ideal for reducing heat buildup inside buildings and improving energy efficiency. This performance far exceeds the 47-95% blocking range offered by many competing brands, delivering more consistent comfort and reducing cooling costs.









100% UV protection is achieved with our interior film options, providing excellent skin care protection. Our films offer unmatched UV blocking, setting the industry standard at 99% for all our products, while competitors typically offer only 80-99% protection. This helps prevent damage to interior furnishings and protects the skin of those inside from harmful UV radiation.

100% UV Rejection •
Thermal Insulation •

Outdoor Temp 38°

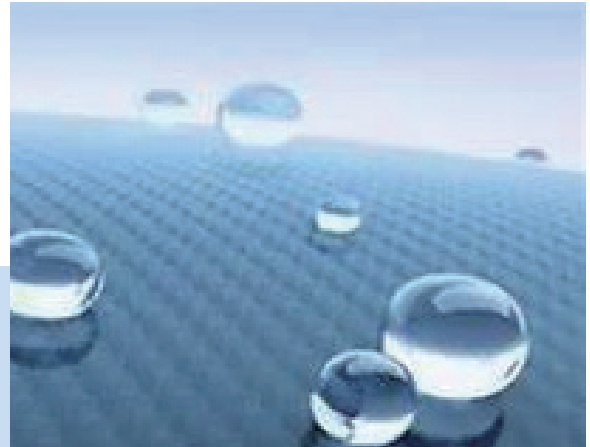
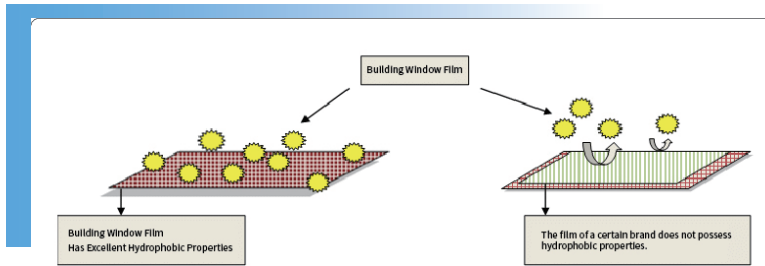
Care for Your Family
Indoor Temp 30°

We offer industry-leading warranty protection: up to 15 years for interior installations and 12 years for exterior applications. In comparison, other top brands typically offer warranties of just 2 years for exterior applications and 2-8 years for interior films, highlighting the superior durability and resilience of our products. In fact, the expected lifespan of our films is approximately 20 years, aligning with the lifespan of the windows themselves, ensuring long-term protection and value for your investment.)

  		  		中国计量 认证认可 证书编号 CMAA.L4000	
210002349119		210002349119		CNAS.L4000	
上海建科检验有限公司 国家建筑工程材料质量检验检测中心 检验检测报告					
报告编号: BL226-240107		报告日期: BL226-240107		报告日期: BL226-240107	
样品名称: 能欣达LZ系列内墙					
型号规格: ECR55					
委托单位: 能欣达上海新材料科技有限公司					
检验类别: 普通送样					
检验地址: 上海浦东新区					
检验日期: 2024年10月12日					
检验地点: 上海浦东新区					
检验结果: 符合GB 20811-2012 合格					
检验结论: 符合GB 20811-2012 合格					
备注: 1. 本检测报告仅对送检样品负责, 不作为其他用途的依据。 2. 本检测报告的有效性依赖于检测方法和检测设备的准确性和可靠性。 3. 本检测报告的有效性依赖于检测人员的资质和能力的符合性。 4. 本检测报告的有效性依赖于检测环境的稳定性和适宜性。 5. 本检测报告的有效性依赖于检测设备的校准和检定。 6. 本检测报告的有效性依赖于检测人员的培训和考核。					

Superior Hydrophobic and Oleophobic Properties:

Our advanced hydrophobic and oleophobic coatings provide outstanding water and oil repellency. This feature helps to keep your windows cleaner for longer, reducing maintenance and enhancing the appearance of the building.



Key Advantages:

Signal Transparency:

Our films do not interfere with signals, ensuring seamless connectivity for electronic devices. Whether it's mobile phones, Wi-Fi, or GPS, our products maintain clear signal transmission with no blockage.



WINDOW FILM PERFORMANCE DATA

Building Window Film

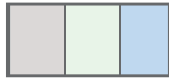
	Series	Color	%Visible Light Transmittance	%Ultraviolet Blockage Rate	%Indoor and Outdoor Reflectance	%Infrared Blockage Rate	Warranty period (Years)	%Total Solar Energy Rejection Rate	Thickness (mil)
ECO Series Exterior Film									
NXDEC25	DurableEx	Gray	30	99	9	98	12	75	2
NXDEC50	DurableEx	Blue	53	99	9	97	12	62	2
NXDEC70	DurableEx	Green	72	99	9	90	12	54	2
NXDECFB50	SecureEx	Transparent	55	99	9	97	12	62	4
COOLNEESS Series Interior Film									
NXDCLSP70	UV Shield	Green	70	100	9	98	15	47	3
NXDCLCS70	UV Shield	Green	70	100	9	95	15	47	2
NXDCLCS35	UV Shield	Gray	35	100	9	96	15	60	2
NXDCLCQ70	Crystal Privacy	Green	70	99	8	90	15	47	2
NXDCLCQ50	Crystal Privacy	Brown	50	99	8	93	15	55	2
NXDCLCQ35	Crystal Privacy	Gray	35	99	8	95	15	60	2
NXDCLFBP70	SafeGuard	Green	70	99	8	98	15	46	4
NXDCLFBP35	SafeGuard	Gray	34	99	8	95	15	65	4
NXDCLFBP15	SafeGuard	Gray	17	99	8	95	15	75	4
NXDCLFB80	SafeGuard	Transparent	90	95	7	6	8	-	4
NXDCLYS05	Crystal Privacy	Dark Gray	5-30	94	83	87	2	80-60	2

Auto / Furniture Paint Protection Film

	Serie	Color	Thickness (mil)	%Luminance Enhance	Gloss Level	%Thermal Self-Healing	Adhesive Peel Strength/20min	Adhesive Peel Strength/24H	%Coating Elongation at Break	Tensile Strength (MPa)	%PPF Elongation at Break	Warranty period (Years)
Aurora Series												
JG130		Transparent	6.5	25	93.3	100	2117gf/inch	2491gf/inch	130	25.6	308.3	3
JG150		Transparent	7.5	30	93.8	100	2797gf/inch	3438gf/inch	115	29.1	327.9	5
JG175		Transparent	8.5	35	92.8	100	2169gf/inch	2775gf/inch	135	30.4	351	5
Aurora Pro Series												
JGP130		Transparent	6.5	35	94.2	100	1584gf/inch	1838gf/inch	103	18.3	291.5	5
JGP150		Transparent	7.5	40	94.4	100	1262gf/inch	2485gf/inch	114	23.7	315.9	8
JGP 175		Transparent	8.5	45	94.3	100	1087gf/inch	2637gf/inch	105	42.1	402.6	8
Aurora Dazzling Series												
JGCYG (Matte)		Transparent	7.5	-	8.7	Non-self-healing	1542gf/inch	1592gf/inch	75	53.1	522.9	8
JGCLH (Glossy Black)		Black	8.5	40	90.8	100	1546gf/inch	1830gf/inch	155	23.3	331.1	3

Auto Window Tint Film

	Serie	Color	%Visible Light Transmittance	%Visible Light Reflectance	%Ultraviolet Blockage Rate	%Total Solar Energy Rejection Rate	Thickness (mil)	Warranty period (Years)	Technology
Tiantu Series									
TT70 (front windshield)		Green	70	9	99	46	2	8	nanoceramics
TT15 (Vehicle Dynamics Test)		Gray	15	8	99	75	2	8	nanoceramics
TT35 (Vehicle Dynamics Test)		Gray	35	8	99	65	2	8	nanoceramics
Skin-Friendly Series									
SF70 (front windshield)		Green	71	9	100	47	2	8	nanoceramics
SF18 (Vehicle Dynamics Test)		Gray	18	8	100	69	2	8	nanoceramics
SF35 (Vehicle Dynamics Test)		Gray	35	8	100	60	2	8	nanoceramics
Yooliang Series									
YL70 (front windshield)		Green	72	9	99	45	2	8	nanoceramics
YL15 (Vehicle Dynamics Test)		Gray	15	8	99	75	2	8	nanoceramics
YL35 (Vehicle Dynamics Test)		Gray	35	8	99	66	2	8	nanoceramics



NXDEC25/NXDEC50 NXDEC70

Exterior-installed films for standard applications, is very effective at blocking solar heat energy while allowing some natural light to pass through. It significantly reduces solar glare and adds a touch of color and customization to the exterior of the building.

- Indoor Building Film Warranty **12 YEARS**
- Ultraviolet Blockage Rate **99%**
- Infrared Blockage Rate **98%**
- Superior Hydrophobic and Oleophobic Properties
- High Signal Transparency
- REACH RoHS compliant **RESPECTED**
- WIDTHS AVAILABLE: **1.52M X 30M**

TECHNICAL DATASHEET

Data calculated based on film applied to clear glass 3mm thick(*on double glazing 4-16-4)

%Visible Light Transmittance	30/53/72
%Ultraviolet Blocking Rate	99
%Indoor and Outdoor Reflectance	9
%Infrared Blocking Rate	98/97/90
Warranty (Years)	12
Total Solar Energy Rejection	75/62/54
Thickness (mil)	2

INSTALLATION ADVICE

Suitable for architectural glass surfaces, can be installed on horizontal and vertical surfaces, not suitable for non-glass surfaces.

MAINTENANCE INSTRUCTIONS

Clean the glass with a detergent water solution to remove stains from the glass surface, then peel off the release liner and spray the detergent water solution on the film surface and the glass in sequence. Do not clean for at least a week, and do not apply any type of sticker or adhesive on the film.

CONSTRUCTION

- Clear single pane
- Tinted single pane
- Reflective tinted single pane
- Clear double pane
- Tinted double pane
- Reflective tinted double pane
- Gas-filled double pane - Low E
- STADIP clear double pane
- STADIP INT. clear double pane

Building Window Film

ECO Series Exterior Film									
NXDEC25	DurableEx	Gray	30	99	9	98	12	75	2
NXDEC50	DurableEx	Blue	53	99	9	97	12	62	2
NXDEC70	DurableEx	Green	72	99	9	90	12	54	2



NXDECFB50

Exterior-installed safety and security films for robust external protection, very effective at blocking solar heat energy while allowing some natural light to pass through, it significantly reduces solar glare and adds a touch of color and customization to the exterior of the building.



Indoor Building Film
Warranty

12 YEARS



Ultraviolet
Blockage Rate

99%



Infrared
Blockage Rate

97%



Superior Hydrophobic and
Oleophobic Properties



High Signal
Transparency



REACH RoHS compliant

RESPECTED



WIDTHS AVAILABLE:

1.52M X 30M

TECHNICAL DATASHEET

Data calculated based on film applied to clear glass 3mm thick(*on double glazing 4-16-4)

%Visible Light Transmittance	55
%Ultraviolet Blocking Rate	99
%Indoor and Outdoor Reflectance	9
%Infrared Blocking Rate	97
Warranty (Years)	12
Total Solar Energy Rejection	62
Thickness (mil)	4

INSTALLATION ADVICE

Suitable for architectural glass surfaces, can be installed on horizontal and vertical surfaces, not suitable for non-glass surfaces.

MAINTENANCE INSTRUCTIONS

Clean the glass with a detergent water solution to remove stains from the glass surface, then peel off the release liner and spray the detergent water solution on the film surface and the glass in sequence. Do not clean for at least a week, and do not apply any type of sticker or adhesive on the film.

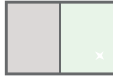
CONSTRUCTION

Clear single pane
Tinted single pane
Reflective tinted single pane
Clear double pane
Tinted double pane
Reflective tinted double pane
Gas-filled double pane - Low E
STADIP clear double pane
STADIP INT. clear double pane

Building Window Film








ECO Series Exterior Film

NXDECFB50	SecureEx	Transparent	55	99	9	97	12	62	4
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NXDCLSP70/NXDCLCS70 NXDCLCS35

Focused on 100% UV protection and skin care with interior installation, very effective at blocking solar heat every while allowing some natural light to pass through, it significantly reduces solar glare.

-  Indoor Building Film Warranty
15 YEARS
-  Ultraviolet Blockage Rate
100%
-  Infrared Blockage Rate
98 %
-  Superior Hydrophobic and Oleophobic Properties
-  High Signal Transparency
-  REACH RoHS compliant
RESPECTED
-  WIDTHS AVAILABLE:
1.52M X 30M

TECHNICAL DATASHEET

Data calculated based on film applied to clear glass 3mm thick(*on double glazing 4-16-4)

%Visible Light Transmittance	70/70/35
%Ultraviolet Blocking Rate	100
%Indoor and Outdoor Reflectance	9
%Infrared Blocking Rate	98/95/96
Warranty (Years)	15
Total Solar Energy Rejection	47/47/60
Thickness (mil)	3/2/2

INSTALLATION ADVICE

Suitable for architectural glass surfaces, can be installed on horizontal and vertical surfaces, not suitable for non-glass surfaces.

MAINTENANCE INSTRUCTIONS

Clean the glass with a detergent water solution to remove stains from the glass surface, then peel off the release liner and spray the detergent water solution on the film surface and the glass in sequence. Do not clean for at least a week, and do not apply any type of sticker or adhesive on the film.

CONSTRUCTION

Clear single pane
Tinted single pane
Reflective tinted single pane
Clear double pane
Tinted double pane
Reflective tinted double pane
Gas-filled double pane - Low E
STADIP clear double pane
STADIP INT. clear double pane

Building Window Film			Series	Color	%Visible Light Transmittance	%Ultraviolet Blocking Rate	%Indoor and Outdoor Reflectance	%Infrared Blocking Rate	Warranty period (Years)	%Total Solar Energy Rejection Rate	Thickness (mil)
COOLNEESS Series Interior Film											
NXDCLSP70			UV Shield	Green	70	100	9	98	15	47	3
NXDCLCS70			UV Shield	Green	70	100	9	95	15	47	2
NXDCLCS35			UV Shield	Gray	35	100	9	96	15	60	2



NXDCLCQ70/NXDCLCQ50 NXDCLCQ35/NXDCLYS05

Super clear and privacy-enhancing films for interior applications, is very effective at blocking solar heat every while allowing some natural light to pass through, and significantly reduces solar glare.



Indoor Building Film
Warranty
15 YEARS



Ultraviolet
Blockage Rate
99%



Infrared
Blockage Rate
95%



Superior Hydrophobic and
Oleophobic Properties



High Signal
Transparency



REACH RoHS compliant
RESPECTED



WIDTHS AVAILABLE:
1.52M X 30M

TECHNICAL DATASHEET

Data calculated based on film applied to clear glass 3mm thick(*on double glazing 4-16-4)

%Visible Light Transmittance	70/50/35/30
%Ultraviolet Blocking Rate	99/99/99/94
%Indoor and Outdoor Reflectance	8/8/8/83
%Infrared Blocking Rate	90/93/95/87
Warranty (Years)	15/15/15/2
Total Solar Energy Rejection	47/55/60/80
Thickness (mil)	2

INSTALLATION ADVICE

Suitable for architectural glass surfaces, can be installed on horizontal and vertical surfaces, not suitable for non-glass surfaces.

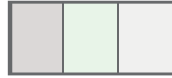
MAINTENANCE INSTRUCTIONS

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CONSTRUCTION

Clear single pane
Tinted single pane
Reflective tinted single pane
Clear double pane
Tinted double pane
Reflective tinted double pane
Gas-filled double pane - Low E
STADIP clear double pane
STADIP INT. clear double pane

Building Window Film	Series	Color	%Visible Light Transmittance	%Ultraviolet Blocking Rate	%Indoor and Outdoor Reflectance	%Infrared Blocking Rate	Warranty period (years)	%Total Solar Energy Rejection Rate	Thickness (mil)
COOLNEESS Series Interior Film									
NXDCLCQ70	Crystal Privacy	Green	70	99	8	90	15	47	2
NXDCLCQ50	Crystal Privacy	Brown	50	99	8	93	15	55	2
NXDCLCQ35	Crystal Privacy	Gray	35	99	8	95	15	60	2
NXDCLYS05	Crystal Privacy	Dark Gray	5-30	94	83	87	2	80-60	2



NXDCLFBP70/NXDCLFBP35 NXDCLFBP15/NXDCLFB80

Interior-installed safety films for added protection and durability, is very effective at blocking solar heat energy while allowing some natural light to pass through, and significantly reduces solar glare.



Indoor Building Film
Warranty
15 YEARS



Ultraviolet
Blockage Rate
99%



Infrared
Blockage Rate
98%



Superior Hydrophobic and
Oleophobic Properties



High Signal
Transparency



REACH RoHS compliant
RESPECTED



WIDTHS AVAILABLE:
1.52M X 30M

TECHNICAL DATASHEET

Data calculated based on film applied to clear glass 3mm thick (*on double glazing 4-16-4)

%Visible Light Transmittance	70/34/17/90
%Ultraviolet Blocking Rate	99/99/99/95
%Indoor and Outdoor Reflectance	8/8/8/7
%Infrared Blocking Rate	98/95/95/87
Warranty (Years)	15/15/15/8
Total Solar Energy Rejection	46/65/75/-
Thickness (mil)	4

INSTALLATION ADVICE

Suitable for architectural glass surfaces, can be installed on horizontal and vertical surfaces, not suitable for non-glass surfaces.

MAINTENANCE INSTRUCTIONS

Clean the glass with a detergent water solution to remove stains from the glass surface, then peel off the release liner and spray the detergent water solution on the film surface and the glass in sequence. Do not clean for at least a week, and do not apply any type of sticker or adhesive on the film.

CONSTRUCTION

Clear single pane
Tinted single pane
Reflective tinted single pane
Clear double pane
Tinted double pane
Reflective tinted double pane
Gas-filled double pane - Low E
STADIP clear double pane
STADIP INT. clear double pane

Building Window Film

COOLNEESS Series Interior Film

	Series	Color	%Visible Light Transmittance	%Ultraviolet Blockage Rate	%Indoor and Outdoor Reflectance	%Infrared Blockage Rate	Warranty period (years)	%Total Solar Energy Rejection Rate	Thickness (mil)
NXDCLFBP70	SafeGuard	Green	70	99	8	98	15	46	4
NXDCLFBP35	SafeGuard	Gray	34	99	8	95	15	65	4
NXDCLFBP15	SafeGuard	Gray	17	99	8	95	15	75	4
NXDCLFB80	SafeGuard	Transparent	90	95	7	6	8	-	4