

LEXAN™ MULTIWALL SHEET FOR HEALTH CARE FACILITIES APPLICATIONS

INTERIOR WALL CLADDING FOR HOSPITALS AND PUBLIC FACILITIES



Installation of partition walls to expand ICU capacity in local hospital in Canada



Providing a protective separation wall solution for covid-19 patients in hospitals, temporary clinics and long term care facilities.

SABIC's Functional Forms business has been working to bring its portfolio of leading edge materials to bear in glazing applications for over 40 years. Virtually unbreakable, high optical quality solid and multiwall LEXAN™ (PC) sheet products with highly specialized properties are often a top choice for answering the specific needs and providing protection to your most demanding applications. As companies are looking for protective materials connecting to hospitals and other medical facilities, such as separation walls, partition walls and screen barriers, our multiwall portfolio can offer a solution connecting to that.



HIGH IMPACT STRENGTH
Virtually unbreakable



EASY TO INSTALL
Ease of handling and installation can be cut on site with common tools



EASY TO CLEAN AND DISINFECT
Withstands repeated cleaning with common hospital cleaning agents



LIGHTWEIGHT
Outstanding light weight advantages against glass



FLAME RETARDANT
Excellent fire performance



COST EFFICIENT
Designed to provide added value performance through potentially low systems costs

PRODUCT OFFERING

AVAILABLE GRADES	LEXAN™ THERMOCLEAR™ Sheet
BENEFITS	<ul style="list-style-type: none">- Lightweight- Cost efficient- High flexibility in design- Easy and fast installation- Provides privacy with still being a transparent material- Super UV resistance and impact Strength- Excellent behavior with fire (no flashover, very limited contribution, very difficult to ignite)
SOLUTIONS	<ul style="list-style-type: none">- Separation Walls- Partition Walls- Screen Barriers
AVAILABLE COLORS	Clear / Opal White / Bronze / Grey / Green / Blue
GAUGES	10-16-20-25 and 32mm
STANDARD WIDTHS	1050 and 2100mm

FIRE TEST PERFORMANCE

LEXAN™ THERMOCLEAR™ sheets have excellent fire behavior and are rated B-s1, d0 against EN-13501-1 for most gauges and structures/colors. More detailed information is available from your local SABIC Service Center or Authorized Distributor.

SOUND INSULATION

The sound insulation characteristics of a material are largely pre-determined by its stiffness, mass and physical construction. According to EN ISO 10140-2:2010, the maximum obtainable sound is 21dB at a gauge of 32mm.

CHEMICAL RESISTANCE

LEXAN™ solid and multiwall sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners, please contact your SABIC representative.

CLEANING & DISINFECT

Clean gently with common hospital cleaning agents, simply liquid soap and lukewarm water, using a soft, grid free cloth or sponge to loosen any dirt or grime.



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FLAME RETARDANT
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PRODUCT OFFERING

AVAILABLE GRADES	LEXAN™ THERMOCLEAR™ Sheet
BENEFITS	<ul style="list-style-type: none">- Lightweight- Cost efficient- High flexibility in design- Easy and fast installation- Provides privacy with still being a transparent material- Super UV resistance and impact Strength- Excellent behavior with fire (no flashover, very limited contribution, very difficult to ignite)
SOLUTIONS	<ul style="list-style-type: none">- Separation Walls- Partition Walls- Screen Barriers
AVAILABLE COLORS	Clear (112), Bronze (515055), Opal White (WH7A092X), Metallic Grey (GY6A744M), Blue (215102), Green (31923), Blue Green (21271)
GAUGES	Gauges: 6-10-16mm (higher gauges available on request)
STANDARD SIZES	1220 mm x 11800mm / 2100 mm x 11800mm

FIRE TEST PERFORMANCE

LEXAN™ THERMOCLEAR™ sheets have excellent fire performance against many national fire codes dependent on thickness and color; please check with the Local Sales office or Authorized Distributor for details

CHEMICAL RESISTANCE

LEXAN™ solid and multiwall sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners, please contact your SABIC representative.

SOUND INSULATION

The sound insulation characteristics of a material are largely pre-determined by its stiffness, mass and physical construction. According to EN ISO 10140-2:2010, the maximum obtainable sound is 18dB at a gauge of 16mm.

CLEANING & DISINFECT

Clean gently with common hospital cleaning agents, simply liquid soap and lukewarm water, using a soft, grid free cloth or sponge to loosen any dirt or grime.



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EASY TO INSTALL
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EASY TO CLEAN AND DISINFECT
Withstands repeated cleaning with common hospital cleaning agents, IPA solution at 70% or liquid soap and water



LIGHTWEIGHT
Outstanding light weight advantages against glass



FLAME RETARDANT*
Excellent fire performance



COST EFFICIENT
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*LEXAN™ THERMOCLEAR and VEROLITE™ multiwall sheets comply with US and Canadian building codes fire requirements and meets **ASTM E84** and **ULC S102.2 - Class A** and **ASTM D635 - CC1** classifications.

PRODUCT OFFERING

AVAILABLE GRADES	LEXAN™ THERMOCLEAR™ Sheet LEXAN™ VEROLITE™ Sheet
BENEFITS	<ul style="list-style-type: none">- Lightweight and design flexibility vs. glass- Ease of installation- Excellent light transmission- Super UV resistance and impact Strength- Exceptional flame resistance
SOLUTIONS	<ul style="list-style-type: none">- Separation Walls- Partition Walls- Screen Barriers
AVAILABLE COLORS	Clear / Opal White / Bronze / Grey / Green / Blue
GAUGES	0.177" / 0.236" / 0.315", 0.394" / 0.630" / 0.787" / 0.985"
STANDARD WIDTHS	48" / 72" / 82.677"

FIRE TEST PERFORMANCE

LEXAN™ THERMOCLEAR™ and VEROLITE™ sheets have excellent fire behavior characteristics, with a CC1 and Class A rating according to ASTM D635, E84 and ULC S102.2 testing respectively. More detailed information is available from your local SABIC Service Center or Authorized Distributor.

SOUND INSULATION

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CHEMICAL RESISTANCE

LEXAN™ solid and multiwall sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners, please contact your SABIC representative.

CLEANING & DISINFECT

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PRODUCT OFFERING

AVAILABLE GRADES	LEXAN™ THERMOCLEAR™ Sheet PLASTECH™ Sheet
BENEFITS	<ul style="list-style-type: none">- Lightweight- Cost efficient- High flexibility in design- Easy and fast installation- Provides privacy with still being a transparent material- Super UV resistance and impact Strength- Excellent behavior with fire (no flashover, very limited contribution, very difficult to ignite)
SOLUTIONS	<ul style="list-style-type: none">- Separation Walls- Partition Walls- Screen Barriers
AVAILABLE COLORS	Clear / Opal White / Bronze / Grey / Green / Blue
GAUGES	10-16-20-25 and 32mm
STANDARD WIDTHS	1050 and 2100mm

FIRE TEST PERFORMANCE

LEXAN™ THERMOCLEAR™ and PLASTECH™ sheets have excellent fire behavior to meet different needs in different region with various product portfolio and are rated B-s1, d0 against EN-13501-1 & B-s2, d0,t1 against GB8624-2006 for different gauges and structures/colors. More detailed information is available from your local SABIC Service Center or Authorized Distributor.

SOUND INSULATION

The sound insulation characteristics of a material are largely pre-determined by its stiffness, mass and physical construction. According to EN ISO 10140-2:2010 and GB/T 50121-2005 , the maximum obtainable sound is 21dB at a gauge of 32mm.

CHEMICAL RESISTANCE

LEXAN™ solid and multiwall sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners, please contact your SABIC representative.

CLEANING & DISINFECT

Clean gently with common hospital cleaning agents, simply liquid soap and lukewarm water, using a soft, grid free cloth or sponge to loosen any dirt or grime.



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