



BlastBlock

PRODUCT BROCHURE
2020 - 2021

blast-block.com



BLASTBLOCK SOUNDPROOFING

BlastBlock, the high-performance noise insulation material that uses very little space but has incredible noise reduction capabilities. BlastBlock, Noise Stopper, Blocks Acoustic Noise, Improved Transmission Loss All-in-one: Noise control, noise insulation, noise abatement., soundproofing.

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BB830

BLASTBLOCK MLV ACOUSTIC SOUNDPROOFING MATERIAL

Acoustically optimized mass loaded vinyl for sound blocking, designed for soundproofing, very strong and flexible, easy to install.

BlastBlock is a non-toxic flexible acoustic material that can be easily cut on-site with a regular utility knife

PHYSICAL PROPERTIES

- Weight 4.9 kg per square meter
- Tensile strength min. 510 PSI
- Color black (high UV resistance)
- Composition: Proprietary mass loaded vinyl based compound
- Flammability MVSS 302 - Passes; SAE J 369
- passes 2.6" per minute

SPECIFICATIONS

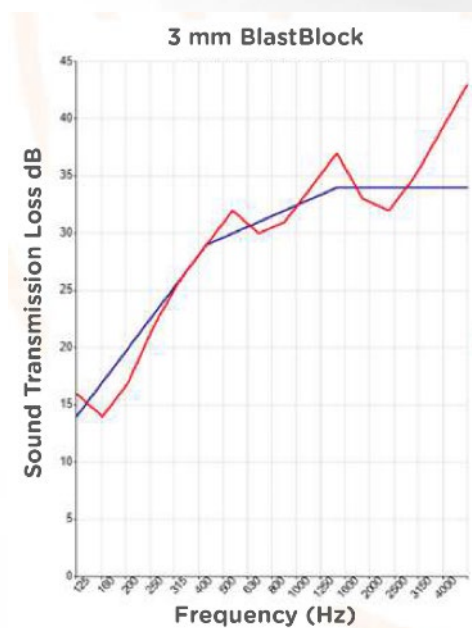
Product	BlastBlock
Material	Mass loaded vinyl, Aluminium
Color	Black
Size	1000 mm / 5000 mm
Thickness	1 mm / 3 mm
Weight	2.0 kg / 4.9 kg
Transmission Loss (dB)	19 dB / 32 dB
Heat Tolerance (°C)	93°C
UV Resistant	Yes

APPLICATIONS

Sound barrier, meeting room, wall panel, ceilings, floors, home theater, pipes, ducts



Frequency (Hz)	1 mm	3 mm
125	5	16
250	9	25
500	15	34
1000	21	36
2000	26	34
4000	34	45
STC	19	32



BLASTFELT

OPTIMIZED FELT FOR NOISE ABSORPTION

100% Polyester Acoustic Insulation Non-toxic, Non-Asbestos, Non-Chemical binder and ecological High performance sound absorption

PHYSICAL PROPERTIES

- 100% Recyclable
- Highest Mold Resistance Rating
- High Acoustical Performance Ratings
- Good heat and fire resistance elasticity and tensile strength.
- No manufacturing emissions, no waste pollution, environmental protection and can be recycled several times.

SPECIFICATIONS

Product	BlastBlock
Material	100% Polyester Fiber
Color	Mix Gray
Size	2000mm x 2500mm / 600mm x 1200mm
Weight	10mm (roll) / 25 mm/ 50 mm
Density	80 kg / m ³ 60 kg / m ³
Acoustic Performance	Noise Reduction Coefficient (NRC) *0.70/ 0.95



APPLICATIONS

STC 53

Layers

- 12mm Gypsum Board
- Steel structure
- 50mm BlastFelt
- 3mm BlastBlock
- 12mm Gypsum Board

STC 56

Layers

- 12mm Gypsum Board
- 3 mm BlastBlock
- Steel structure
- 50mm BlastFelt
- 3mm BlastBlock
- 12mm Gypsum Board

STC 56

Layers

- 80 mm Brick
- Steel structure
- 50mm BlastFelt
- 3mm BlastBlock
- 12mm Gypsum Board

STC 68

Layers

- X2 12mm Gypsum Boards
- 3mm BlastBlock
- Steel structure
- 50mm BlastFelt
- 50mm air space
- Steel structure
- 50mm BlastFelt
- 3mm BlastBlock
- X2 12mm Gypsum Boards





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AD1A

BLASTBLOCK ANTI
DRUMMING ADHESIVE
ENGINE NOISE
INSULATION



AD1A



BLASTBLOCK ANTI DRUMMING ADHESIVE ENGINE NOISE INSULATION

Is a non-toxic flexible acoustic material that is easy to install and can be easily cut on-site with a regular utility knife.

- 100% Recyclable
- Highest Mold Resistance Rating
- High Acoustical Performance Ratings

Good heat and fire resistance elasticity and tensile strength.

No manufacturing emissions, no waste pollution, environmental protection and can be recycled several times.

APPLICATIONS

- Automotive insulation
- Engine room insulation
- Boat/yacht insulation
- Machine / equipment insulation
- Furniture insulation
- Interior design insulation

SPECIFICATIONS

Product	BlastBlock
Material	Mass loaded vinyl, Aluminium
Color	Black
Size	1200 mm x 600 mm
Thickness	1 mm / 2mm / 3 mm
Weight	1.6 kg / 3.3 kg / 4.9 kg
Transmission Loss (dB)	12 dB / 19 dB / 29 dB
Heat Tolerance (°C)	93°C
UV Resistant	Yes
Composition	Proprietary mass loaded vinyl based compound

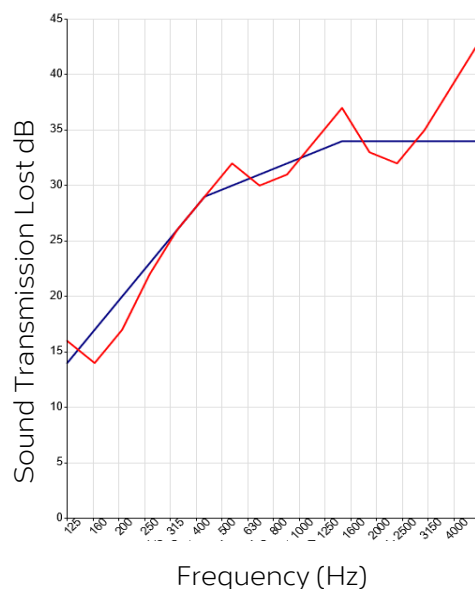
- 1 side self-adhesive
- Tensile strength min. 510 PSI
- Flammability MVSS 302 - Passes; SAE J 369 passes 2.6" per minute



Frequency (Hz)	1 mm	3 mm
125	5	16
250	9	22
500	15	32
1000	21	34
2000	26	32
4000	34	43
STC	19	29

ASTM E90 Sound
Transmission Loss dB

STC 29 (Material only)





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A large, vibrant photograph of a welding process, showing a shower of bright orange and yellow sparks erupting from a point of contact. The sparks are captured in motion, creating a dense, starburst-like effect. In the background, blurred industrial structures and a blue overhead crane are visible. A large, solid red triangle is positioned on the left side of the image, partially overlapping the white background and the photograph.

BBMC/15

BLASTCHAM
MINI ANECHOIC
CHAMBER

BBMC/15

BLASTCHAM MINI ANECHOIC CHAMBER

BlastCham, Mini Anechoic Chamber for testing small devices.

Small devices can be tested in the BlastCham mini anechoic chamber such as automobile parts, small motors, dental drills, fans, speakers and audio-related devices, electronic devices, telecommunication devices, (cellular phone), medical equipment, etc.

Advantage of a mini anechoic chamber is that it's portable and doesn't have to be permanently installed in a building.

DATA & FEATURES

- | | |
|---------------------------|------------------------------------------------|
| o External Dimensions(mm) | 1500 x 1000 x 1000 |
| o Internal Dimensions(mm) | 1200 x 700 x 700 |
| o Material | Electro-Galvanized steel sheet 1.2 mm. |
| o Acoustic Insulation | 100mm inner and 50mm Sound Absorber in chamber |
| o Cable hole | x1 25mm. (Right panel) |
| o Color | Powder epoxy coating |
| o Weight | approximately 320 kilogram |

- o a low-cost solution for measurements compared to a full-size anechoic room
- o no installation needed, just allocate an area for it
- o high performance,
- o very good absorbance in the mini anechoic chamber
- o ambient noise is strongly reduced due to the design of the mini anechoic chamber



BBMC/15

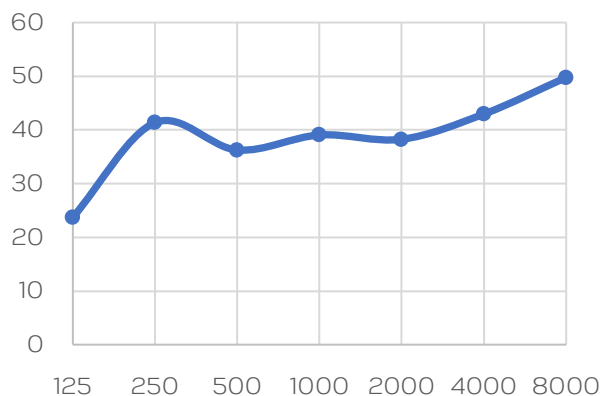
BLASTCHAM

MINI ANECHOIC CHAMBER

Noise Reduction Octave Band Centre Frequency (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Noise Reduction (dB)	23.8	41.4	36.3	39.1	38.3	43.0	49.8

Noise Reduction [dB]



BA650

BLASTPUTTY SOUNDPROOFING PUTTY - PADS

A flexible and easy to apply square pad of sound and fire rated material. Self adhering material with release paper on both sides.

DATA & FEATURES

- STC Rating : At Least STC 62, ASTM C919 and E90
- UL Certification : Fire Stop tested up to 4 hours in accordance with ASTM E814 (UL 1479) & CAN/ULC S115, Wall opening protective material tested up to 2 hours in accordance with UL 263
- Size : 18 cm x 18 cm x 0.3 cm

APPLICATIONS

Most commonly used to wrap electrical outlets and other through penetrations for sound and fire rated assemblies.



Step 1

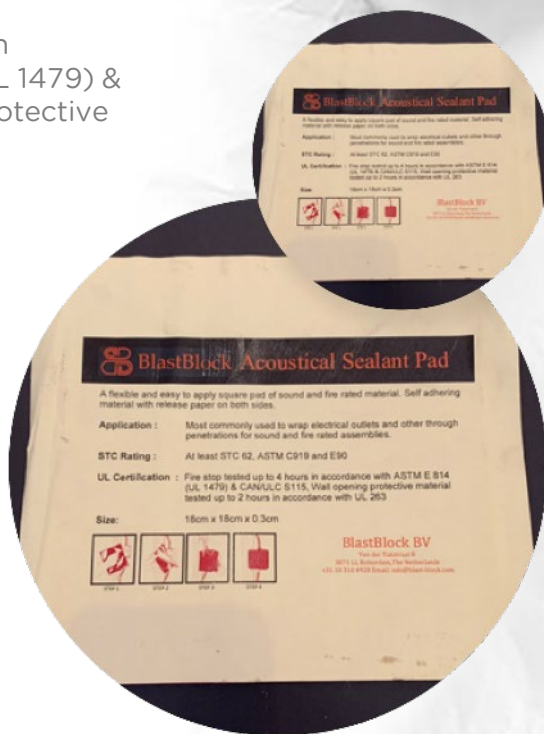
Step 2

Step 3

Step 4



CAUTION! Do not use internally.
Keep from freezing and sunlight.
KEEP OUT OF REACH OF CHILDREN



BA890

BLASTSEALANT SOUNDPROOFING SEALANT

BlastBlock Acoustic Sound Sealant is designed specifically for the reduction of sound transmission in all types of walls, floors, ceilings, doors and windows, partitions and retain the Sound Transmission Class (STC) value.

DATA & FEATURES

- Permanent flexible and dense sealant designed for acoustic insulation
- Non-flammable and can be used in fire-rated systems
- Easy applications and clean up
- Nonreactive VOC: 28 g/l (<1% wt.)
- Color: Black
- Full Cure: Approx. 2-3mm per 24Hrs at 23 Deg C and 50% RH.

APPLICATIONS

Typical applications include; Expansion and construction joints in walls and cladding panels, sealing of service penetrations, roofing and conservatory applications, capping sealant for bead glazing, and general sealing work.



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BA990

BLASTADHESIVE SOUNDPROOFING ADHESIVE

BA990 is a specially designed acoustic noise dampening adhesive and is suitable to install BlastBlock to typical construction materials such as concrete, steel or wood wall panels, gypsum, plastic etc.

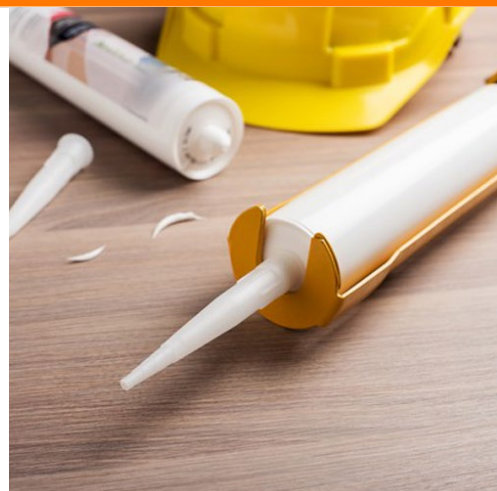
Secure fixing by screws is strongly recommended

DATA & FEATURES

- Very strong adhesive
- Permanently flexible guarantees optimal noise reduction
- Waterproof
- Flexible
- Absorbs (low frequency noise) vibrations
- Non-flammable
- Easy application and clean up

APPLICATIONS

Designed specifically for the reduction of sound transmission in all types of walls, floors, ceilings, doors and windows, partitions and to increase the Sound Transmission Class (STC) value.



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BB120

BLASTTAPE SOUNDPROOFING TAPE

BlastTape is specially designed and formulated to form a permanent seamless bond with BlastBlock.

BlastTape comes on rolls of 50 meter length with a width of 50 mm and is 2 mm thick. It is optimized to be used with BlastBlock for indoor applications and will outperform any ordinary tape solution.

To make sure the whole installation of BlastBlock will reach the predicted and expected soundproofing use only BlastBlock approved materials.

DATA & FEATURES

- Specially designed acoustic tape
- Length 50 meter, width 5 cm, thickness 300 micron
- Durable PVC cloth duct tape
- Color, orange with black print

APPLICATIONS

Typical application is to add the tape on joints between BlastBlock panels or to between BlastBlock panels and adjoining walls, ceilings or floors.

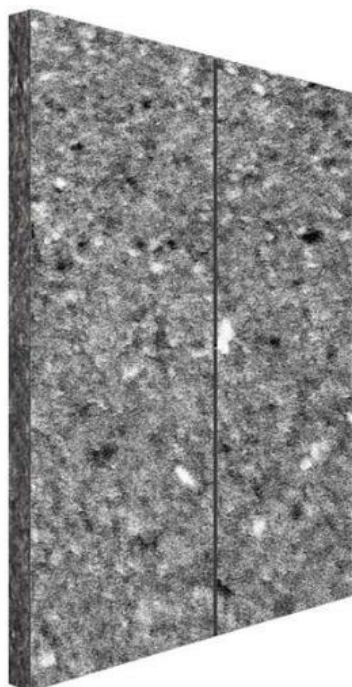


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BLASTBLOCK

BLASTBATT ECS ACOUSTIC



BlastBlock BlastBatt is a high performance sound absorption and thermal insulation product designed for wall, ceiling and subfloor applications. Made from 100% polyester fibers (instead of fiberglass) including 85% regenerated fibers reclaimed from post consumer discarded plastic drinking water bottles. BlastBlock BlastBatt is an environmentally friendly product and fully recyclable.

APPLICATIONS

BlastBlock BlastBatt is ideal for reduction of airborne sound transmission between rooms through separating wall. It is specially manufactured light weight and soft to provide optimum performance. BlastBlock BlastBatt is ideal for school, office, wherever noise reduction is desired.

SPECIFICATIONS

	BBS50
Product	BlastBlock Sound Absorber
Material	100% Polyester batt
Thickness	50 mm +/-10%
Batt Size	0.40 x 1.20 m 0.60 x 1.20 m
NRC	0.80
Application	Inlay Batt for heat and sound insulation

DURABLES AND SAFE

BlastBlock BlastBatt is 100% polyester fibers thermally bonded into 40 mm thick batt. Polyester fiber is soft, extremely durable and does not absorb moisture, will not deteriorate or rot over time and naturally resistant to insects and vermin attack. Unlike fiberglass, polyester is non-toxic, non-irritant and does not contain formaldehyde. It is safe and odorless providing clean indoor air quality.

BLASTBLOCK

BLASTBATT ECS ACOUSTIC

WALL INSULATION

Blasblock BlastBatt is ideal for reduction of airborne sound transmission between rooms through separating wall. It is specially manufactured light weight and soft to provide optimum performance. Blasblock BlastBatt is ideal for hotel, school, office, meeting room, or home wherever noise reduction is desired.

EXCELLENT THERMAL INSULATIONS

Blasblock BlastBatt is an ideal thermal insulation material for wall and ceiling in buildings and homes to help keep interior cool in the summer and warm in winter which helps to reduce energy cost.

ENVIRONMENTAL

Blasblock BlastBatt is made from 100% polyester including 85% regenerated fibers from discarded plastic drinking water bottles reclaimed as post-consumer waste. Blasblock BlastBatt is an environmentally friendly product and is fully recyclable.

With 85% recycled content, Blasblock BlastBatt exceeds the criteria set by USGBC (United States Green Building Council) recognizing its contribution to the Leadership in Energy and Environmental Design (LEED).

Thus users of Blasblock BlastBatt can earn environmental points from LEED for their building project.

LEED Credit	Contribution	Points
MR credit 4.1 recycled content 10%	BlastBlock BlastBatt is manufactured using a minimum of 85% Post consumer recycled materials	1
MR credit 4.2 recycled content 20%	BlastBlock BlastBatt is manufactured using a minimum of 85% recycled content 20% post consumer recycled materials	1
MR credit 5.2 regional materials	Manufactured within 500 miles	1
EQ credit 3.2 Indoor Air Quality	BlastBlock BlastBatt has low VOCs emissions	1

BLASTBLOCK

BLASTBATT ECS ACOUSTIC

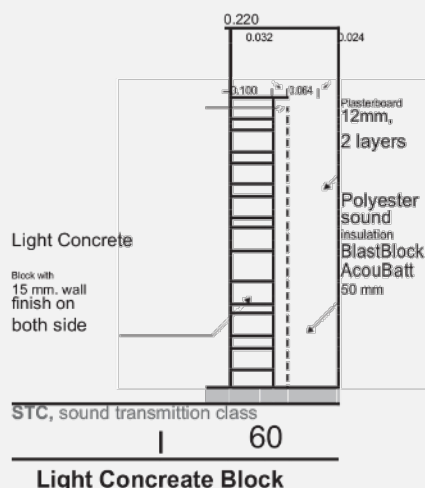
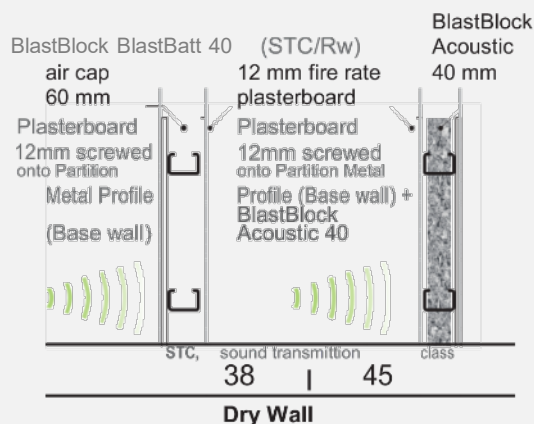
ACOUSTIC PERFORMANCE

BlastBlock Acoustic, ECS has been tested in accordance with ISO 354 Acoustic Measurement of sound absorption in a reverberation room and exhibits Noise Reduction Coefficient (NRC) of 0.80 which typically reduce reverberated noise by approximately 80%

SOUND ABSORPTION

Absorption Coefficient						NRC
125	250	500	1000	2000	4000	
0.15	0.52	0.75	0.93	1.02	0.99	0.80

MOUNTING : Type “A” per ASTM Designation E795-05, “Standard Practices for Mounting Test Specimens During Sound Absorption Tests”.



FLAMMABILITY

ASTM E84, Surface Burning Characteristics of Building Materials.

Class A		
Flame Spread Index	(0-25)	15
Smoke Developed Index	(0-450)	115

THERMAL INSULATION EFFECTIVENESS

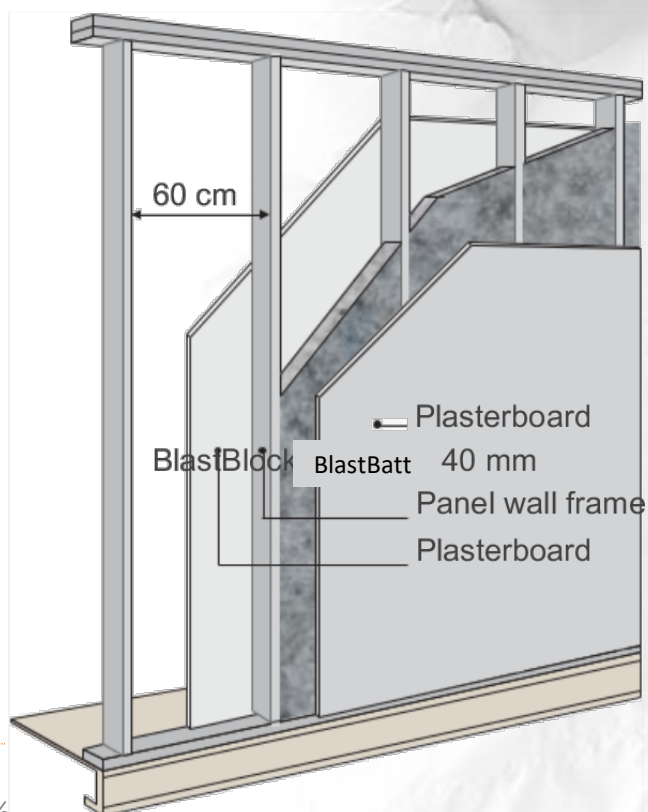
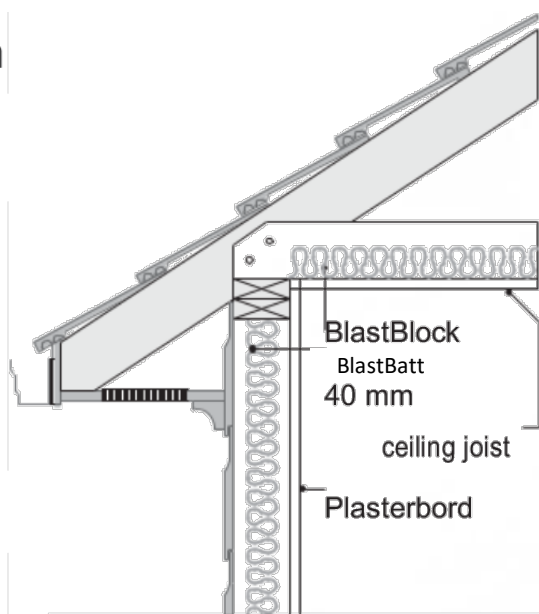
	ECS 40	ECS 50
Thermal Conductivity (K-Value) (w/mk)	0.037	0.041
Thermal Resistance (R-Value) (m2 k/w)	1.087	1.238

BLASTBLOCK

ACOUBATT ECS ACOUSTIC

GUIDE TO INSTALLATION

BlastBatt is supplied in sheets. As the batts are safe and soft, no precautions or personal protective outfit is required for handling and installation. Our product can be easily torn or cut with a pair of industrial scissors or cutter. Off cut can be used to fill corners and gaps, eliminating any waste.



BLASTBLOCK BLASTBATT'S OUTSTANDING FEATURES AND BENEFITS

- Superior in sound absorption and thermal insulation Recycled content more than 85%
- Fully recyclable at the end of its useful life
- 100% Polyester fibers are clean and safe
- Non toxic, non irritant, non allergenic and odorless
- Rated low Volatile Organic Compound (VOC's)
- Free of formaldehyde/Phenol/Ammonia
- Will not absorb moisture or deteriorate over time
- Naturally resistant to insect and vermin attack



PRODUCT BROCHURE 2020 - 2021

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