

2024

Cush PET
Acoustic Panels

Product
Sheet

cush



ESF King George V School

Keeping up with today's ethical standards, at Cush, we are constantly mindful that resources and energy supplies are becoming scarcer. Therefore we relentlessly pursue producing efficiently, repurposing existing products and creating opportunities to give them an entire lifecycle – by bringing a second life to plastic bottles, turning them into PET acoustic panels that offer incredible sound-dampening qualities with versatile and sustainable support in the building industry.

At the same time, it is considering creating products that meet the current expectations; functional and safety standards accepted by the industry experts without jeopardising future generations' rights.

CUSH PET ACOUSTIC PANELS

Our panels are made of 100% polyester with 60% recycled content with no chemical binder nor other organic compound. It has excellent workability and superb cost effective acoustic performance. The recycled and recyclable panels are made of inorganic material and therefore are long lasting and do not promote mold. Cush is the perfect choice for reducing and controlling reverberation time in shared space, merging design with sustainable performance.

COMPOSITION

100% PET (60% post-consumer recycled)

WEIGHT

8.6KG (+/- 10%)

THICKNESS

12mm (+/- 7%)

PANEL DIMENSION

2800mm (+/- 10mm) x 1200mm (+/- 5mm)

FIRE TEST

EN 13501-1:2018 Class B

SURFACE DENSITY

2500gsm (tolerance +/- 5%)

FORMALDEHYDE EMISSION

E0

ENVIRONMENTAL

Lead free
Mercury free
Non-toxic
Non-irritant
Non-allergenic

SKY AND CLOUD



001
Cloud
Grey

002
Asphalt
Grey

003
Midnight
Blue

SUN AND EARTH



004
Rockport
Grey

005
Sundried
Tomato

006
Tudor
Red

MOUNTAIN AND FOREST



007
Clay
Beige

008
Spring
Olive

009
Hunter
Green

HOLIDAY BED AND BREAKFAST



010
Linen
Beige

011
Over Easy
Yellow

012
Coral
Pink

013
Summer
Red

OUTDOOR CLASSROOM



014
Artic
Wolf

015
Slate
Blue

016
Sapphire
Blue

017
Wheat
Brown

018
Storm
Grey

ACOUSTIC PERFORMANCE

With high NRC and SAA, Cush PET Acoustic Panels offer exceptional sound absorption and noise reduction, making them ideal for a wide range of applications where controlling reverberation and improving acoustic comfort is crucial. Class A sound absorption can be achieved when used in conjunction with 50mm glass wool.

ENVIRONMENTAL IMPACT

Cush PET Acoustic Panels are not just sound absorbers, they are a harmonious blend of environmental responsibility and acoustic excellence. Crafted from 100% polyester, with 60% recycled content, these panels sing a song of sustainability, diverting plastic bottles from landfills and conserving precious resources.

The panels are non-toxic, formaldehyde-free nature ensures a healthy indoor environment, while their resistance to mold growth adds a comforting note of hygiene. The panels' durability and recyclability extend their lifespan, minimizing waste and echoing your commitment to a greener future.

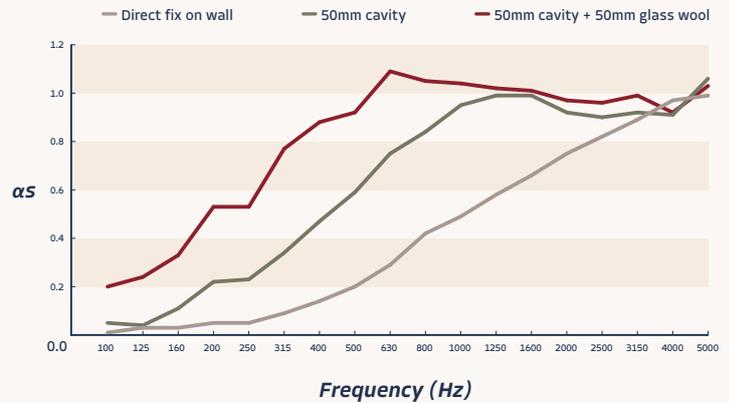
Cush PET Acoustic Panels are a testament to the power of innovation and environmental consciousness. They offer a symphony of sound absorption and sustainability, creating a harmonious balance between comfort and responsibility.

CUSH PET ACOUSTIC PANELS 12mm

Installation method	Direct fix on wall	50mm cavity	50mm cavity + glass wool
NRC 100-5000Hz	0.35	0.65	0.85
SAA 100-5000Hz	0.38	0.68	0.90
α_W (MH) 250-400Hz	0.25	0.55	0.90
SOUND ABSORPTION CLASS 250-4000Hz	E	D	A

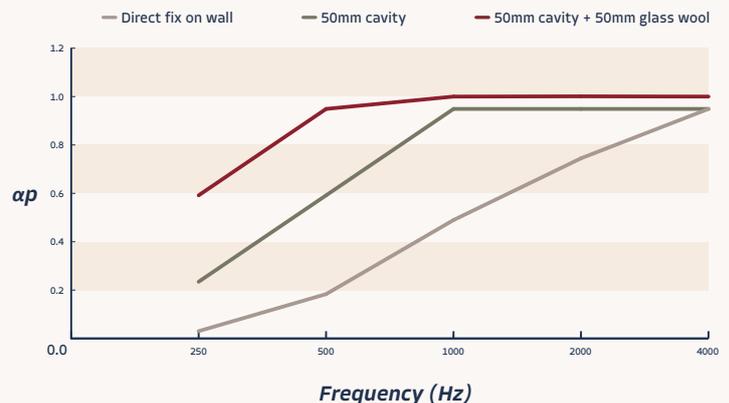
NRC + SAA

100-5000Hz



α_W (MH) + SOUND ABSORPTION CLASS

250-400Hz





ESF Bradbury School

CLEANING & MAINTENANCE INSTRUCTIONS

Cush PET Acoustic Panels are made of 100% polyester with 60% recycled content with no chemical binder nor other organic compound. It is made of inorganic material and therefore does not promote mold. To prevent staining, wet spills shall be treated immediately upon contact using dry cloth to avoid absorption.

The cleaning approach shall be tested in the following order. Always test any cleaning method first in an inconspicuous area.

OPTION 1

For dusting use duster, vacuum cleaner or lint roller.

OPTION 2

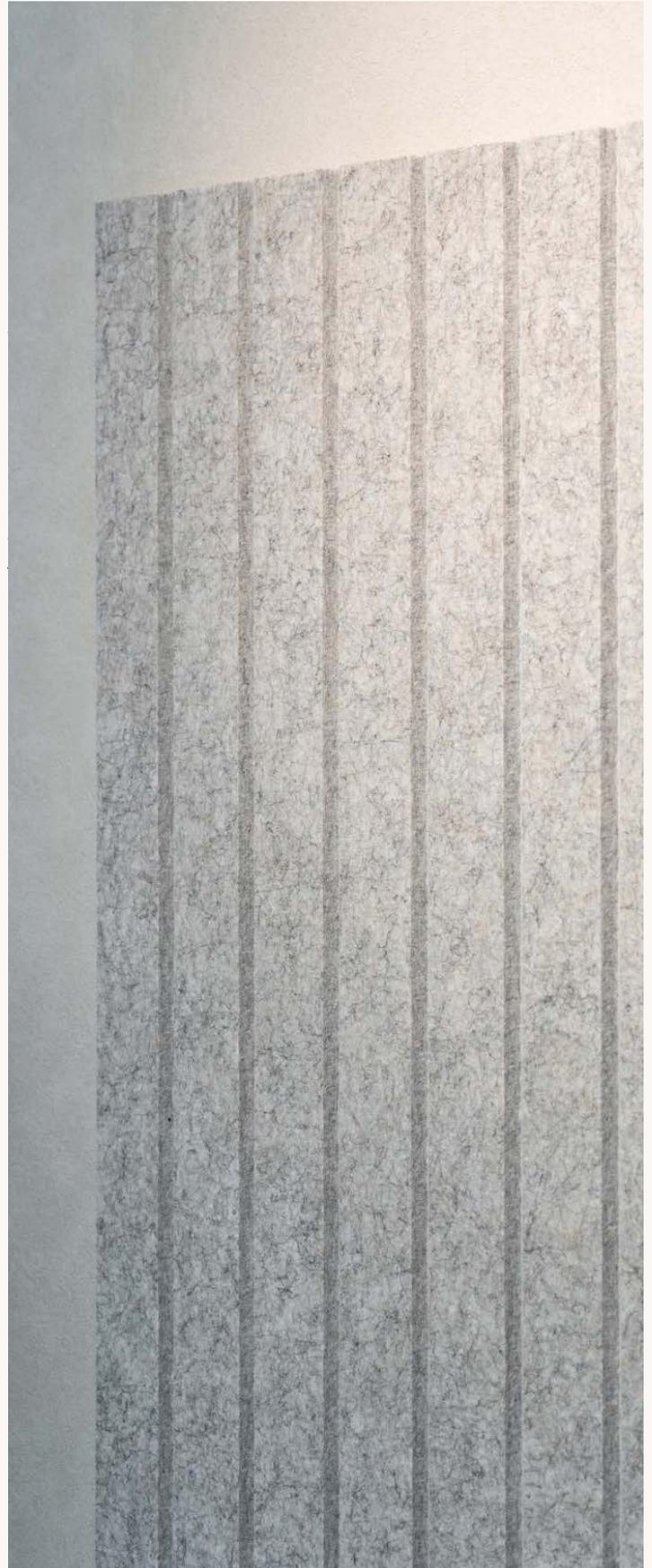
For minor stains apply sparkling water on polluted area and wiping and blotting carefully with a sponge by pressing and releasing on the stained area.

OPTION 3

For medium contamination create a dilute solution consisting of three parts of water to one part detergent in a clean container and apply a clean paper towel to gently blot detergent into the stain by pressing and releasing. Using a separate container of clear water, apply moist paper towels to blot water into the stain by pressing and releasing. Finish by blotting firmly with dry paper towels until the area is nearly dry.

OPTION 4

For heavy contamination create a dilute solution of solvent-based spot remover, such as bleach or dry cleaning liquid, and water on polluted area by blotting with a clean cloth soaked in solution. Using a separate container of clear water, apply moist paper towels to blot water into the stain by pressing and releasing. Finish by blotting firmly with dry paper towels until the area is nearly dry.



BIPO - Beauty I Plus O

Thank you

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