Ljuds Catalogue

Our wood wool panels are made from 100% recyclable wood fibres, cement, and water.

Ljuds™ wood wool panels are crafted from an eco-friendly and recyclable blend of wood wool, cement, and water. The inherent open structure of the wood wool panel minimises sound reflections, setting it apart as an effective sound absorbing panel. The panels are environmentally friendly and formaldehyde free.

Specifications

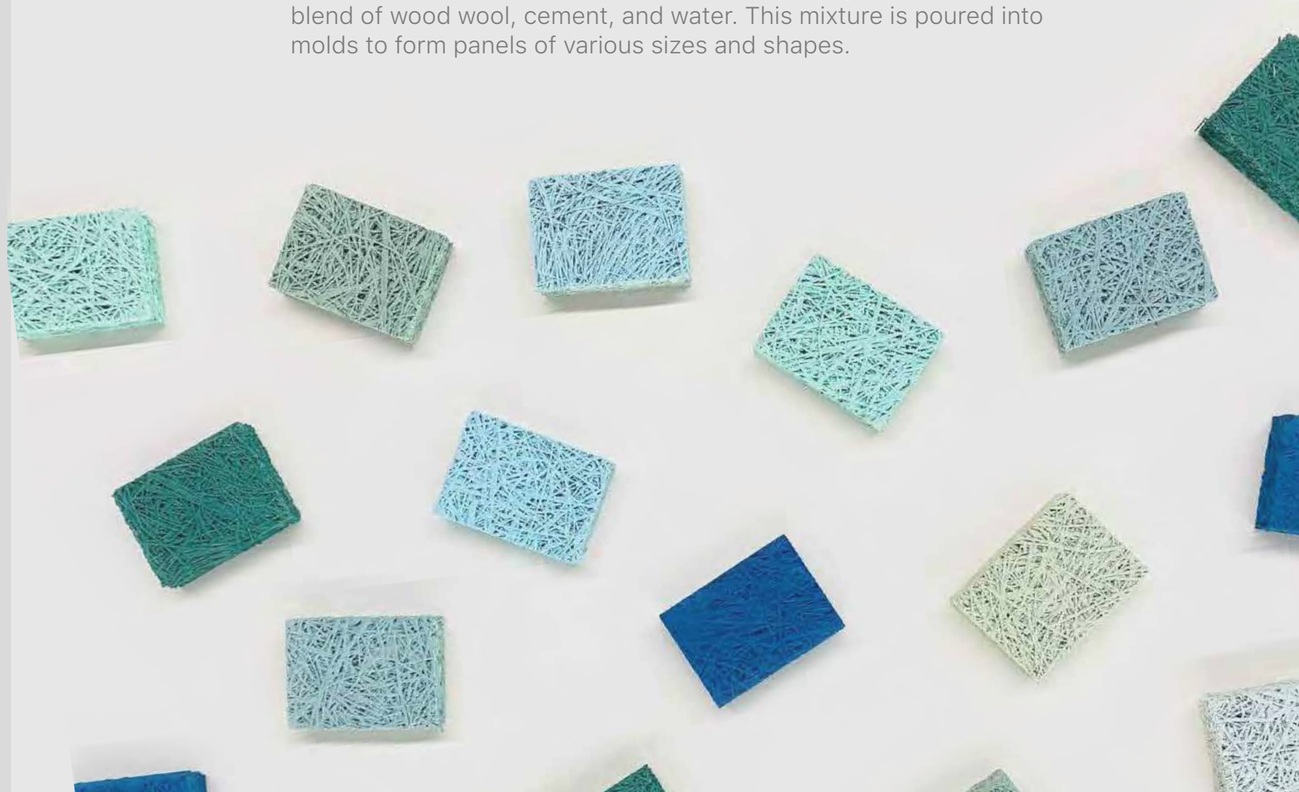
Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 1220mm x 2440mm
Board Thickness: 15mm, 20mm, 25mm
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

How is Ljuds™ Made?

Wood Selection
Only logs from sustainably managed forests are chosen. These forests are governed to follow strict sustainable forestry practices.

Wood Slivers
Once the logs are sourced, they are processed into thin wood slivers. This is done using precision cutting tools that minimize waste.

Cement Mixture
The wood slivers are then dried to reduce moisture content. Ljuds™ wood wool panels are crafted from an eco-friendly and recyclable blend of wood wool, cement, and water. This mixture is poured into molds to form panels of various sizes and shapes.

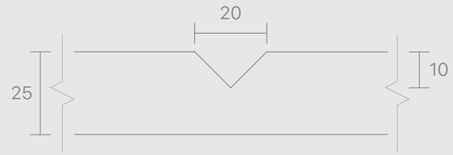


Ljuds
V-Groove

V-shaped groove adds depth and dimension to the space. These grooves can be used to form various patterns, creating unique visual effects. The 45° chamfered edges of the panels can create interesting visual effects when arranged in various ways. Consider creating a pattern or arrangement that suits your aesthetic preferences.

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Board Thickness: 15mm, 20mm, 25mm
Groove Angle: 45°
Board Thickness: 15mm, 20mm, 25mm
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™



Bevel Section Drawing

How to Install

Prepare Your Space
Clear the area around the wall where you intend to install the panels. Make sure the wall surface is clean, dry, and free from dust or debris.

Plan Panel Placement
Determine the layout and placement of the panels on the wall.

Apply Mounting Adhesive
Apply the adhesive to the back of the panel in a zigzag motion.

Position the Panels
Place the panel on the wall, starting from one corner. Use a level to make sure it’s straight.

Secure the Panels
Use a nail gun or hammer and nails to secure the panel to the wall. Nail into the studs for a more secure fit. If using adhesive, press firmly and hold in place until the adhesive sets.

Create a Pattern
As you install subsequent panels, consider creating a pattern or arrangement that suits your aesthetic preferences. The bevelled edges of the panels can create interesting visual effects when arranged in various ways.

Shapes

Boasting a diverse selection of shapes such as circles, hexagons, pentagons, scales, squares, and triangles, Ljuds™ provides the tools for architects and interior designers to construct distinct and refined acoustic environments.

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Thickness: 25mm
Bevel Dimension: 10mm, 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Diamond
300mm x 173mm

Pentagon
300mm x 173mm

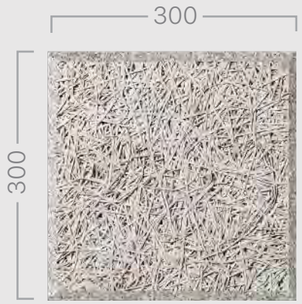
Honeycomb
300mm x 176mm

Circle
300mm x 300mm

Prism
600mm x 173mm

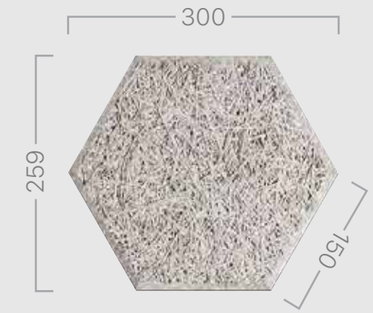
Scale
300mm x 253mm

Triangle
300mm x 300mm



Square
300mm x 300mm

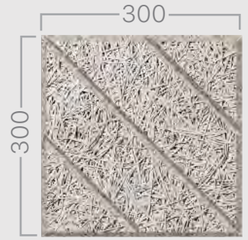
Rectangle
600mm x300mm



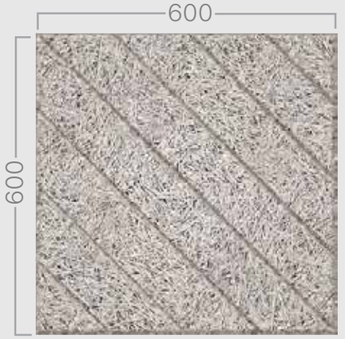
Hexagon
300mm x 259mm

Ljuds
Diagonal

Ljuds™ Diagonal panels are characterized by finely grooved diagonal lines that run across the surface, creating a subtle yet dynamic sense of movement. When arranged strategically, these panels form a continuous pattern that enhances the geometric design and introduces a sophisticated texture to any space.



Diagonal 300
300mmW x 300mmH



Diagonal 600
600mmW x 600mmH

Diagonal 1200
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 300mmW x 300mmH,
600mmW x 600mmH, 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Ljuds
Horizon

Ljuds™ Horizon panels feature a series of horizontal grooves that run across the surface, creating a sleek and continuous linear effect. The horizontal orientation of the grooves emphasizes the width of the space, adding a sense of expansiveness and calm.

Horizon 75
600mmW x 1200mmH

Horizon 75L
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Ljuds
Horizon

Ljuds™ Horizon panels feature a series of horizontal grooves that run across the surface, creating a sleek and continuous linear effect. The horizontal orientation of the grooves emphasizes the width of the space, adding a sense of expansiveness and calm.

Horizon 150
600mmW x 1200mmH

Horizon 150L
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Ljuds
Vertical

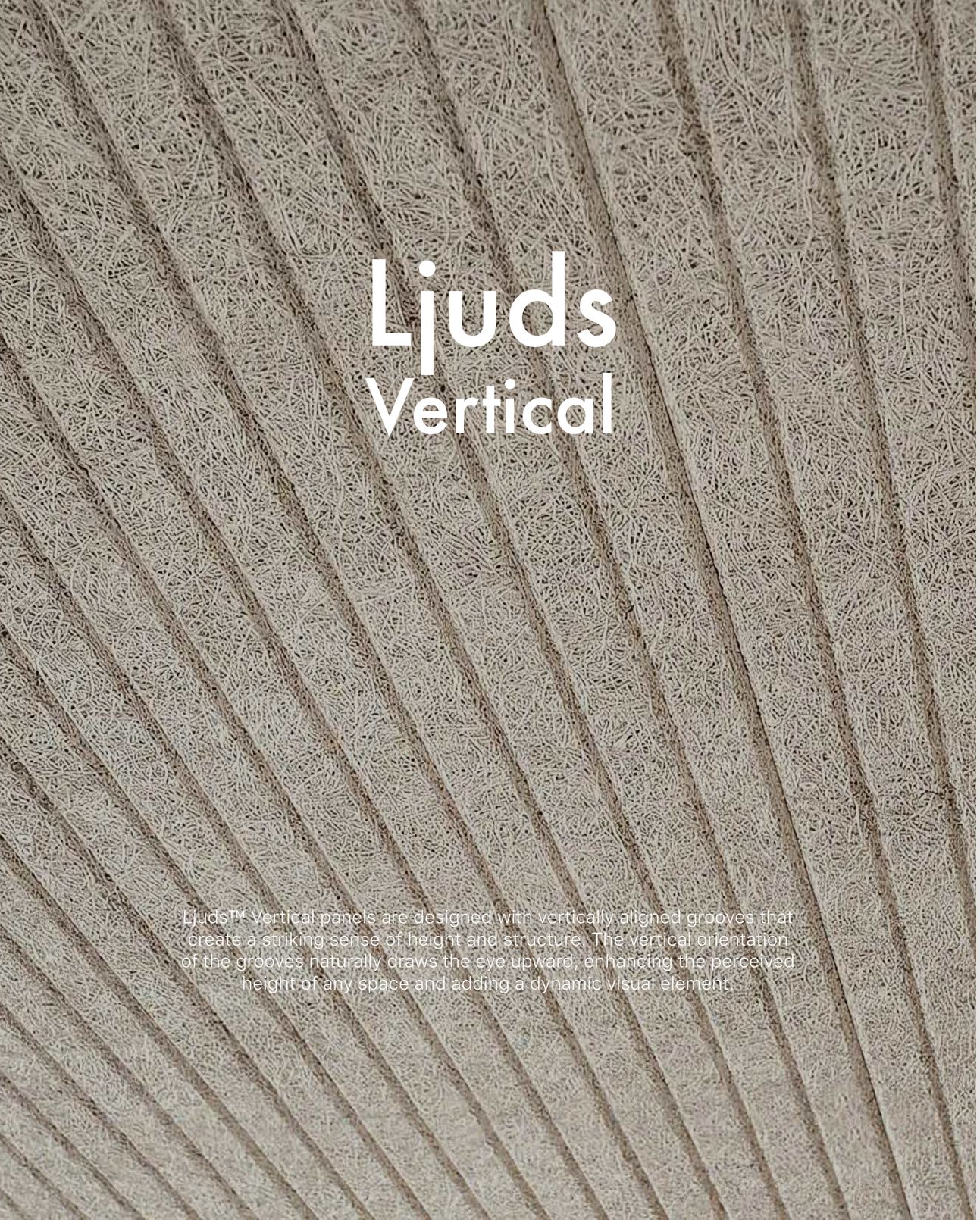
Ljuds™ Vertical panels are designed with vertically aligned grooves that create a striking sense of height and structure. The vertical orientation of the grooves naturally draws the eye upward, enhancing the perceived height of any space and adding a dynamic visual element.

Vertical 75
600mmW x 1200mmH

Vertical 75L
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™



Ljuds
Vertical

Ljuds™ Vertical panels are designed with vertically aligned grooves that create a striking sense of height and structure. The vertical orientation of the grooves naturally draws the eye upward, enhancing the perceived height of any space and adding a dynamic visual element.

Vertical 150
600mmW x 1200mmH

Vertical 150L
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Ljuds
Circuit

Ljuds™ Circuit panels feature a unique design characterized by interconnected curved and linear grooves that evoke the intricate patterns of electronic circuits. The interplay of curved and linear grooves creates a complex, flowing pattern that adds a sense of movement to any space.

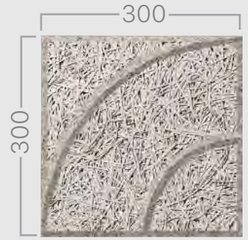
Circuit
600mmW x 1200mmH

Specifications

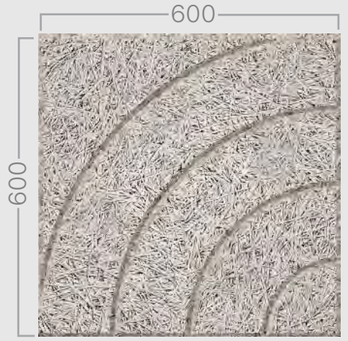
Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

Ljuds
Loop

Ljuds™ Loop panels feature circular grooves across the surface, adding depth and rhythm to their design. By arranging the panels in various orientations, you can create a repetitive pattern of intersecting circular and linear grooves, resulting in a richly textured, geometric aesthetic.



Loop 300
300mmW x 300mmH



Loop 600
600mmW x 600mmH

Loop 1200
600mmW x 1200mmH

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Dimension: 300mmW x 300mmW,
600mmW x 600mmH, 600mmW x 1200mmH
Standard Thickness: 15mm, 20mm, 25mm
Bevel Dimension: 20mmW x 10mmH
Bevel Angle: 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55 with 25mm Ljuds™

SPECIFICATIONS

About Ljuds™

Ljuds™ wood wool panels are made from recyclable wood fibres, cement, and water. It is environmentally friendly and formaldehyde free. Ljuds panels absorb sounds and give aesthetics and environmental friendliness in an acoustic setting.

Fig 1: Bevel Dimensions

Specifications

Material: Recyclable Wood Fibres in Cement Matrix
Standard Thickness: 15mm, 20mm, 25mm
Standard Dimension: 300 x 300mm, 600 x 600mm, 1220mm x 2440mm
Bevel Dimension: 10mm, 45°
Eco-Friendly Test: EN 13986 = E1
Fire-Rated Test: EN 13501-1 = Class B s1, d0
Acoustic Test: ISO 354 = NRC 0.55

Super Fine 1mm fiber

Ultra Fine 0.2mm fiber

Autodesk

Location
1 Fusionopolis Walk, Solaris North Tower, Singapore

Client
Autodesk Asia Pte. Ltd.

Main Contractor
Wynncorp Engineering & Construction Pte Ltd

Autodesk is a multi-national software corporation that creates software services for the architecture, engineering, media, construction, manufacturing and entertainment industries.

Hexagonal Ljuds panels made of wood wool fibres were installed in the conference room at Autodesk Singapore HQ to absorb sounds and promote better acoustics.

Conference Room
Autodesk, Singapore
Autodesk Asia Pte. Ltd.

Aural-Aid
Aural-Aid HQ, Singapore
Aural-Aid Pte. Ltd.

Aural-Aid HQ

Location
Oxley Bizhub 1, Singapore

Client
Aural-Aid Pte. Ltd.

Main Contractor
GHR Renovation Pte Ltd

Aural-Aid was founded in 2013 and is a well-established architectural acoustics company in Singapore. They build auditoriums, cinemas, concert halls, and acoustic spaces for clients such as Google, Apple, and IBM.

The Aural-Aid HQ was built in 2016 as a 2-level office with a double sided floor-to-ceiling glass facade.

Ljuds square panels with diagonal grooves were installed in the office's meeting room for better speech intelligibility during discussions and conferences.

Parc Canberra
Canberra Link, Singapore
Hoi Hup Sunway Canberra

Parc Canberra

Location
Canberra Link, Singapore

Client
Hoi Hup Sunway Canberra

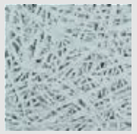
Acoustic Consultant
Alpha Acoustics

Parc Canberra is a distinguished residential estate located in the heart of Canberra, Singapore. Renowned for its commitment to enhancing quality of life for all its residents, the estate meticulously address noise control, evident in the design of the gymnasium.

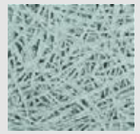
To achieve this, the gymnasium's walls are clad with Ljuds™ Rectangle Shape recyclable wool fibres, featuring a bevelled edge, a 10mm thickness in a natural color finish. High density wool fibres effectively dampen sound, ensuring a serene and peaceful workout space.

COLORS

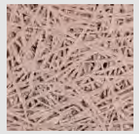
Natural and Custom colours
are available upon request.



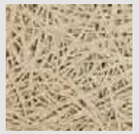
Seafoam



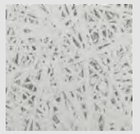
Peppermint



Ballet Shoe



Brown Sugar



Diamond Snow

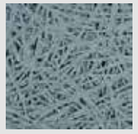
Eggshell

Sage Haze

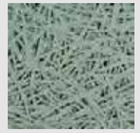
Pressed Flower

Champagne

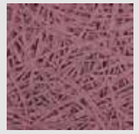
Dove Wing



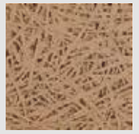
Neptune



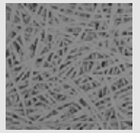
Herb Bouquet



Raspberry

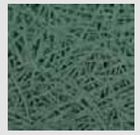


Cinnamon

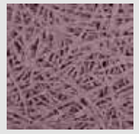


Moltke Crater

Deep Sea



Verdigris



Tea Rose

Saddle Brown

Inkwell