ASSEMBLE

ASSEMBLE PET

Acoustic solutions that are **versatile, adaptive,** and provide **endless possibilities** for your design needs.

Enocoustic

Enovative . Acoustic . Solutions

ASSEMBLE PET

Assemble PET is manufactured through a process which is free from chemicals, binders and adhesives. Made from 100% Polyethylene terephthalate (PET), 50% of its raw materials are recycled post-consumer products such as plastic bottles.

Due to its recycled raw materials and sustainable manufacturing process, Assemble PET is accredited with the Singapore Green Building Product Label.



Product Specifications

Composition	100% polyester fibre (PET)
Thickness	9mm +/- 10%
Weight	2,000gm/m^2
Panel size	1,220mm x 2,440mm
Sound Absorption (ASTM C423-17)	NRC 0.30 (no air gap) NRC 0.65 (50mm air gap)
Thermal Conductivity (ASTM C518)	0.0361 W/m.K
Fire Test (EN 13501-1)	B-s1, d0
TVOC Emission Rate (ASTM D5116)	Non-detected
Formaldehyde Emission Rate (ASTM D5116)	Non-detected
Toxicity Test (BS EN 45545-2)	CIT < 0.75



FREQUENCY/HZ	125	250	500	1000	2000	4000	NRC
9 mm Panel (no air gap)	0.1	0.04	0.15	0.41	0.68	0.9	0.3
9 mm Panel (50 mm air gap)	0.09	0.29	0.68	0.95	0.95	0.91	0.65

Key Features

Recyled Material
Raw materials consist of recycled post-consumer products e.g. plastic bottles.

Green Material
Sustainable manufacturing process free from chemicals, binders & adhesives.

High Sound Absorption
Helps to dampen noise & promote excellent acoustic performance in comfort.

Anti-rot & Anti-fungi
Able to withstand harsh environment & external weather without rotting.

Low Moisture Absorption
Retains moisture in ambient air & controls humidity by absorbing & emitting less.

Non-flammable
Product will melt & self-extinguish in case of contact with fire.

Fire Regulations
Complies with BS 476 Part 6 & 7 fire requirements under Singapore FSB regulations.

COLOUR CHART


Pitch Black

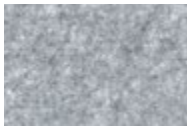

Granite


Lead


Matte Carbon


Dusky


Grey Marble


Marble


Stone Grey


Dove

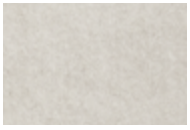

Pebble


Ivory


Winter Grey

Pure

Eggwhite


Bare Cotton


Malt


Desert


Winter Oat


Oatmeal


Warm Grey


Concrete


Concrete Haze

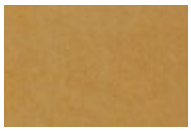

Hazel

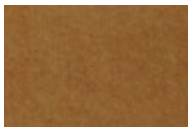

Pale Dune


Barley

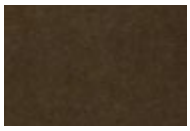

Tree Bark


Mustard


Biscoff


Coffee


Walnut


Mocha


Salmon Pink


Flamingo


Lilac


Tulip


Violet


Eggplant


Lavender


Maroon


Raspberry

Venetian Red

Scarlet

Terracotta

Coral

Clay

Teh

Carrot

Tangerine

Product may vary in colour due to fibre mix, which is an inherent feature of this product.

COLOUR CHART


Salted Egg


Popcorn


Spring Green


Moss Green


Sage Green


Sage Grey


Rustic Olive


Limestone


Green Apple


Jade


Fern Green


Sun-dried Moss


Olive Green


Army Green


Green Bumblebee

Mint


Forest Green


Artic


Lake Green


Deep Green


Sapphire


Green Lagoon


Sea Blue


Marine Teal


Cloud Blue


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Steel Blue


Azure


Porcelain Blue


Royal Blue


Ocean Blue


Cobalt Blue


Turf Blue


Egyptian Blue


Denim

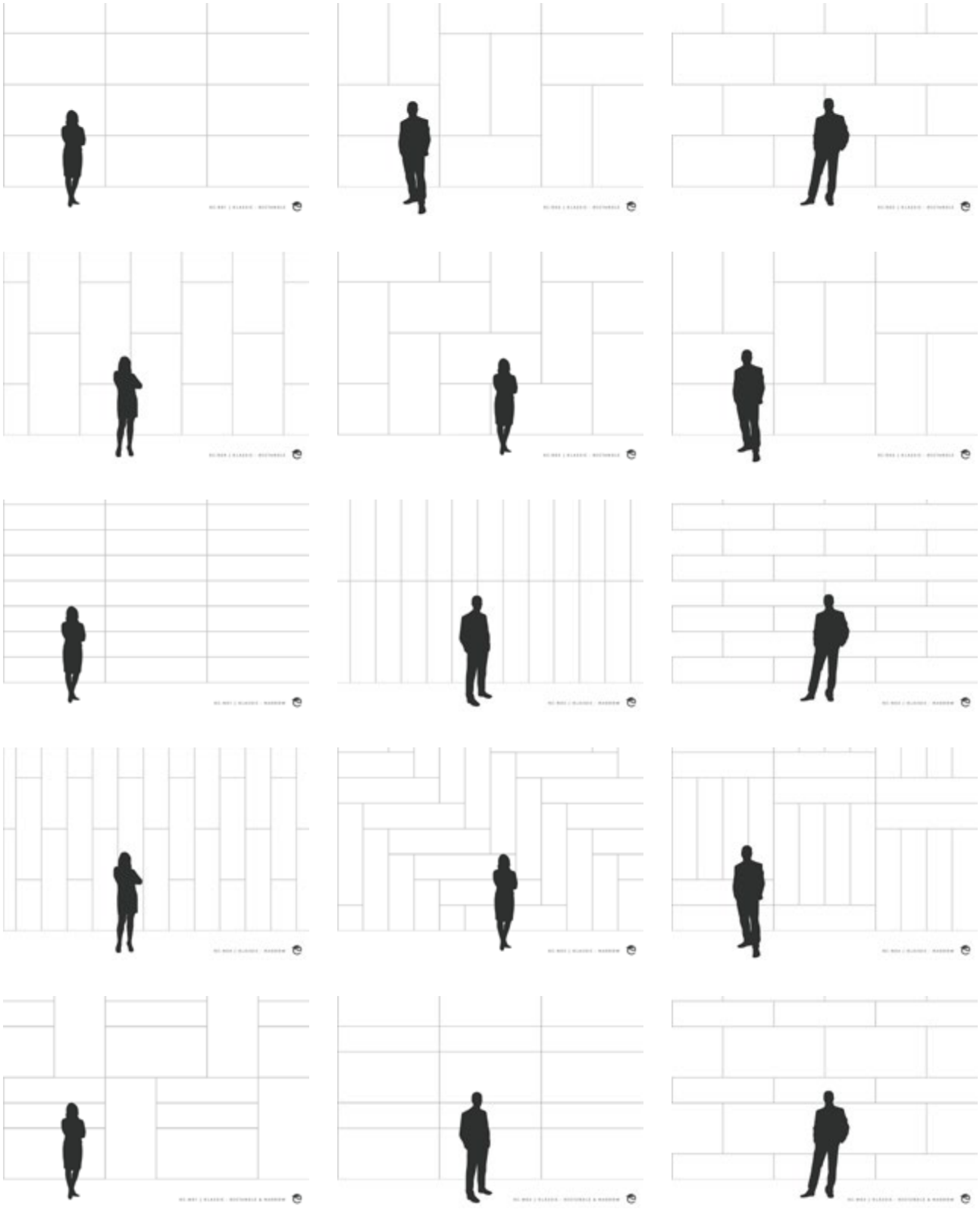

Navy Blue


Midnight Blue

Product may vary in colour due to fibre mix, which is an inherent feature of this product.

PATTERNS

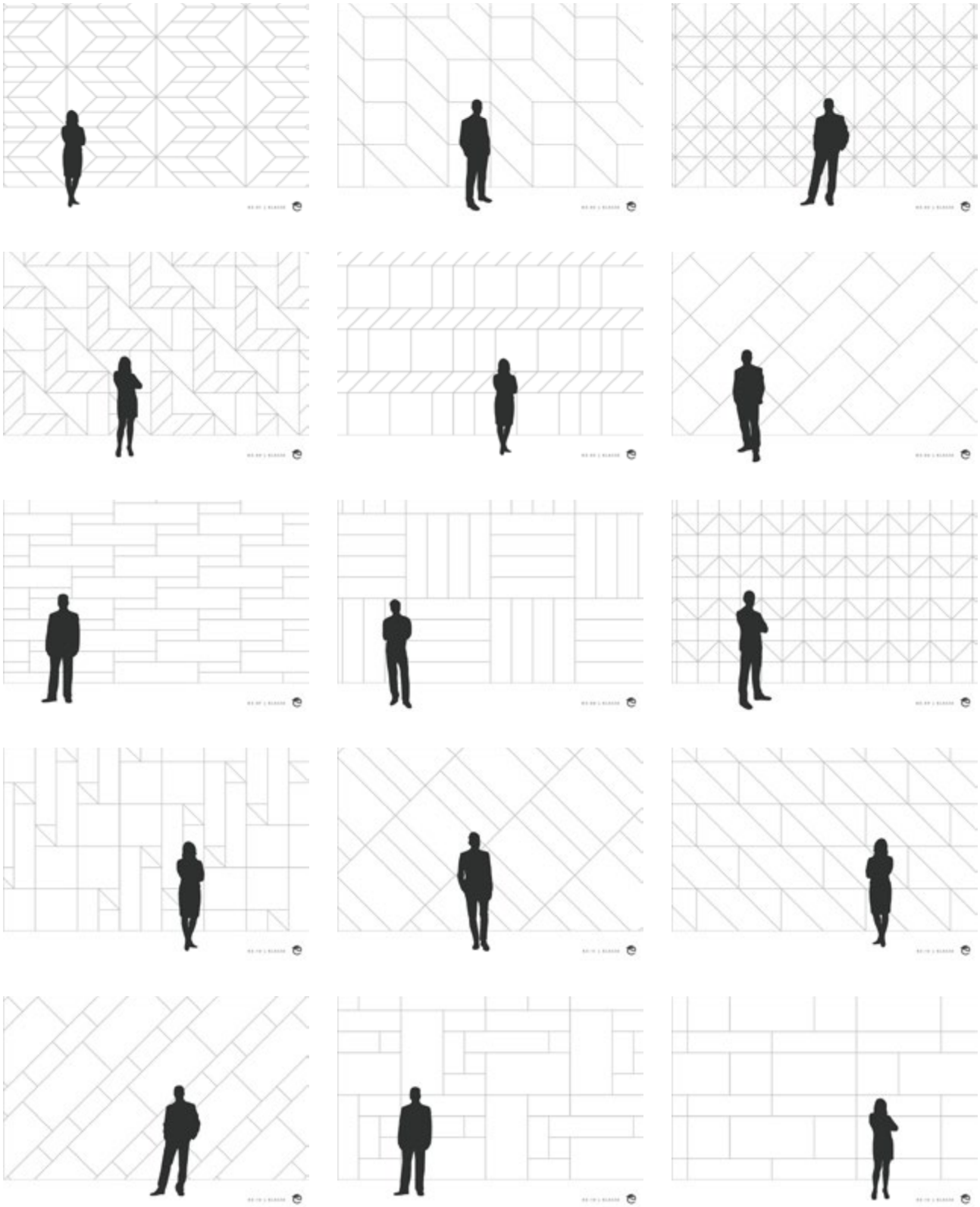
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PATTERNS

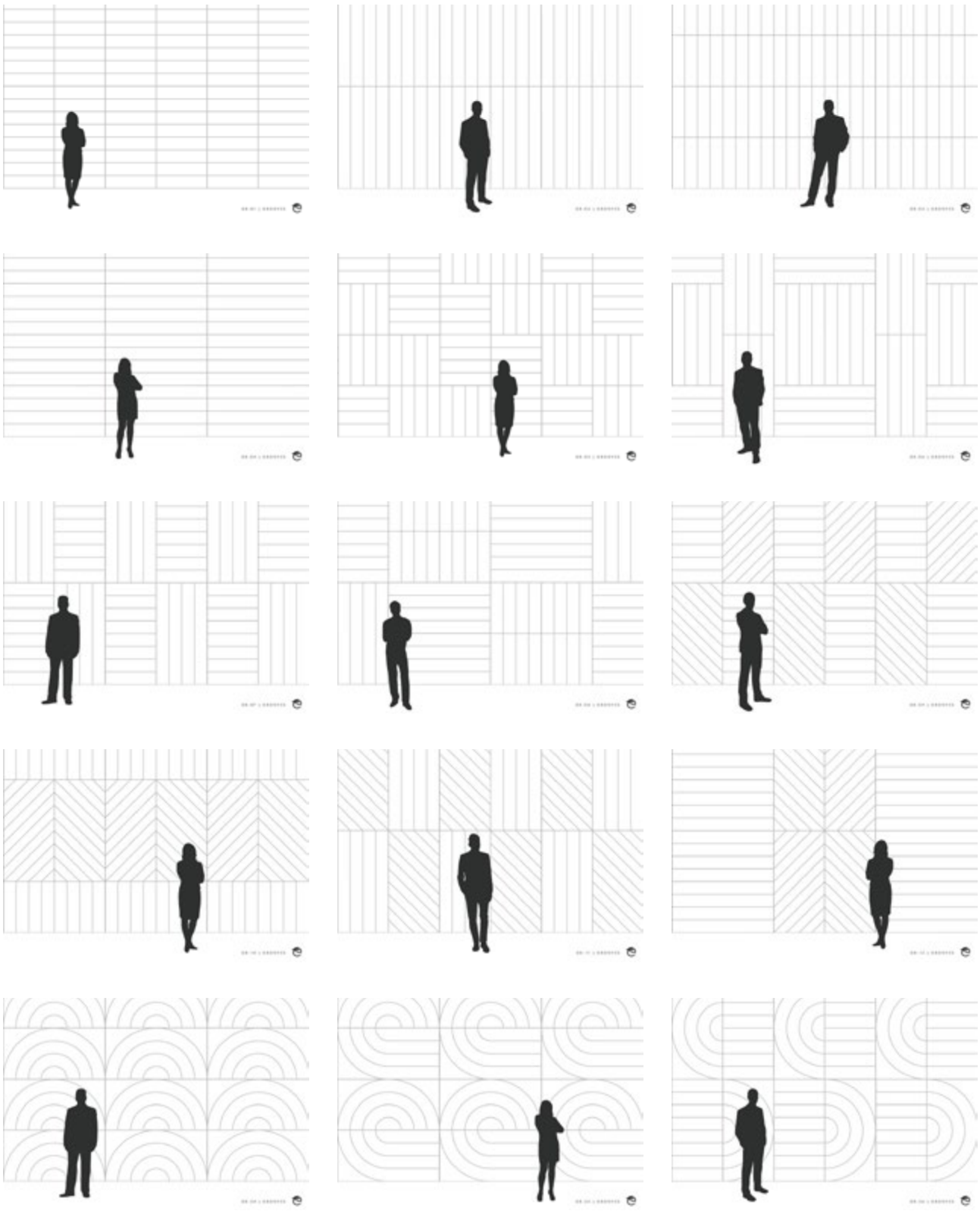
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PATTERNS

GROOVES



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