



Geometric Flat Tile





Geometric Flat Tile Series

Modern Geometry. Flat Form. Dimensional Impact.

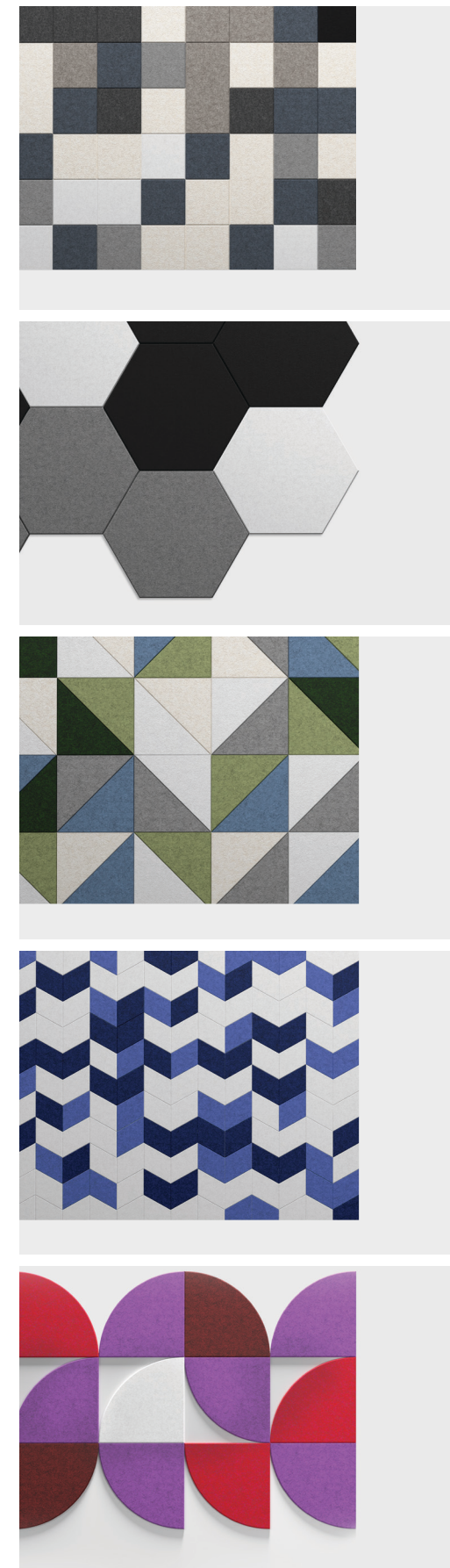
The ONNiT Geometric Flat Tile Series brings a sculptural aesthetic to flat acoustic panels. Designed with bold, faceted geometry and precision-cut edges, these tiles offer a modern alternative to traditional wall treatments—without sacrificing sound performance. Whether installed in repeating grids or scattered for artistic effect, these modular panels create depth, movement, and clarity in commercial, creative, and institutional spaces.

Standard Available Designs

- **Block** Square form
- **HEX** Classic six-sided tile with clean symmetry
- **Prism** Angular, faceted triangle with dynamic slope
- **Rhombus** Slanted quadrilateral offering optical movement
- **Circle** Gentle curves and rounded symmetry

Key Features

- Constructed from high-performance acoustic PET felt
- Bold, geometric profiles with sculptural relief
- Modular designs for repeatable patterns or one-of-a-kind layouts
- Quick installation with adhesive or mechanical mounting
- Available in 32 standard colors with custom color options
- Suitable for partial or full-wall installations
- Seamless visual continuity between panels
- Custom sizes available



Dimensions and Specifications

ATTRIBUTE	DETAIL
Dimensions	Block: 3"x6", 6"x6", 6"x12", 6"x18" (edge-to-edge)
Dimensions	Hex: 6", 12", 18", or 24" (edge-to-edge)
Dimensions	Prism: 12" sides (equilateral)
Dimensions	Rhombus: 6" sides (quadrilateral)
Dimensions	Circle: 4", 6", 8" and 12" Radius
Thickness	9mm or 12mm PET felt
Material	100% polyester (PET) felt
Recycled Content	75% Recycled Content





Design Your Space

Geometry That Fits Your Flow.

From simple tiled fields to complex tessellations, the Geometric Tile Series allows for complete layout control. Work with our design team or explore your own layout concepts using combinations of shape, scale, and color.

- Installation layout and quantity
- Spacing and orientation
- Installation and mounting preferences
- Color selection

Ordering & Customization

- Custom patterns, sizes, and colorways available
- Layout assistance, renderings, and install diagrams
- Quick ship available for select designs
- Contact ONNiT Sales for a quote or sample pack

Installation Layout & Quantity

Step 1: Define Your Layout Zone

- Measure your intended wall space (H × W)
- Determine if tiles will fill the wall or be placed as a focal point
- Repeating vs. random arrangement
- Tile orientation (rotate, flip, offset)

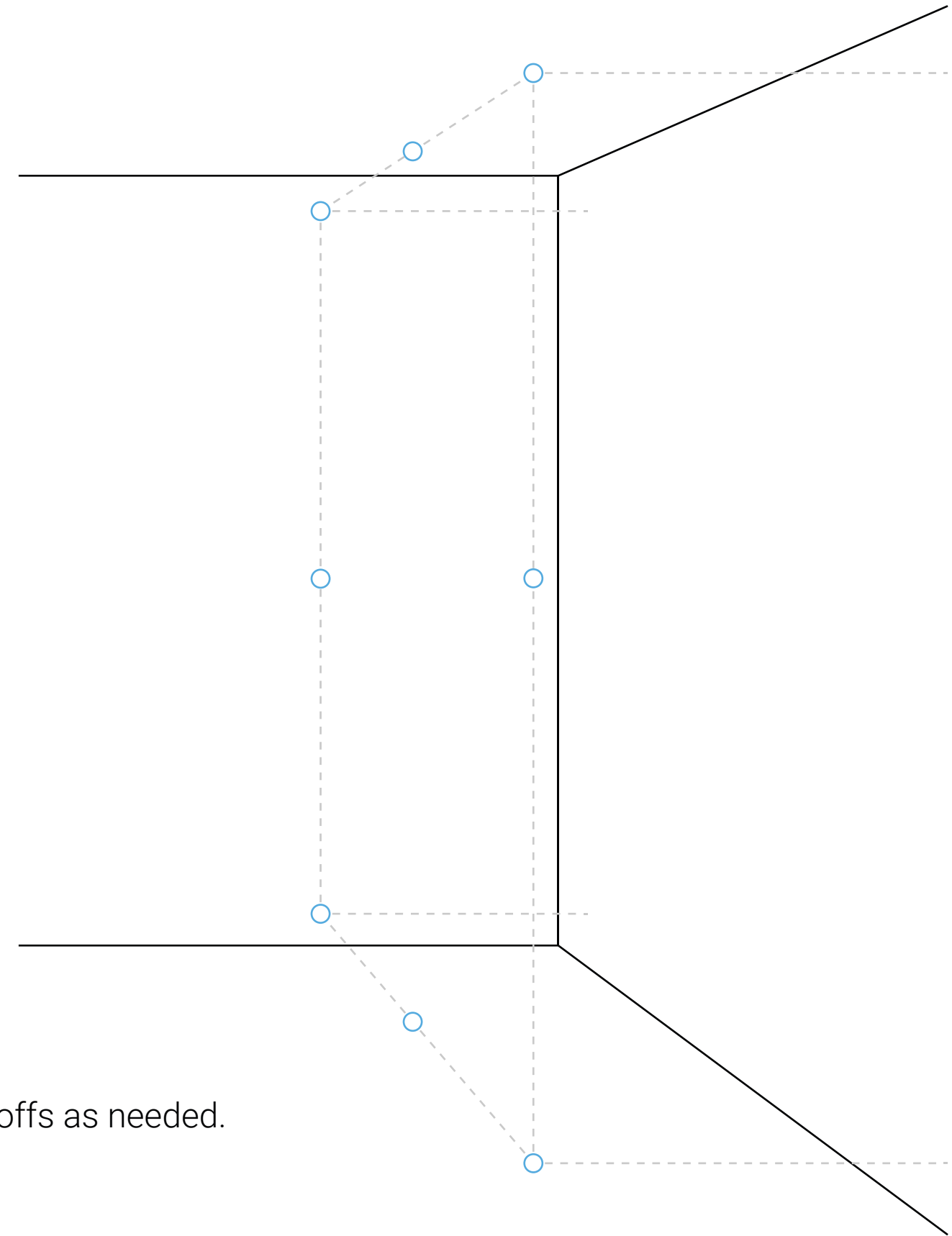
Step 2: Select Design(s)

- Choose one or mix multiple geometric forms
- Visual zoning with color changes or gradient layouts
- Custom templates available for blended layouts

Step 3: Determine Quantity

- Based on tile size and spacing
- Contact ONNiT to assist with layout mockups and material takeoffs as needed.

Optional Tip: Share a photo, sketch, or architectural elevation—we'll help visualize the layout.



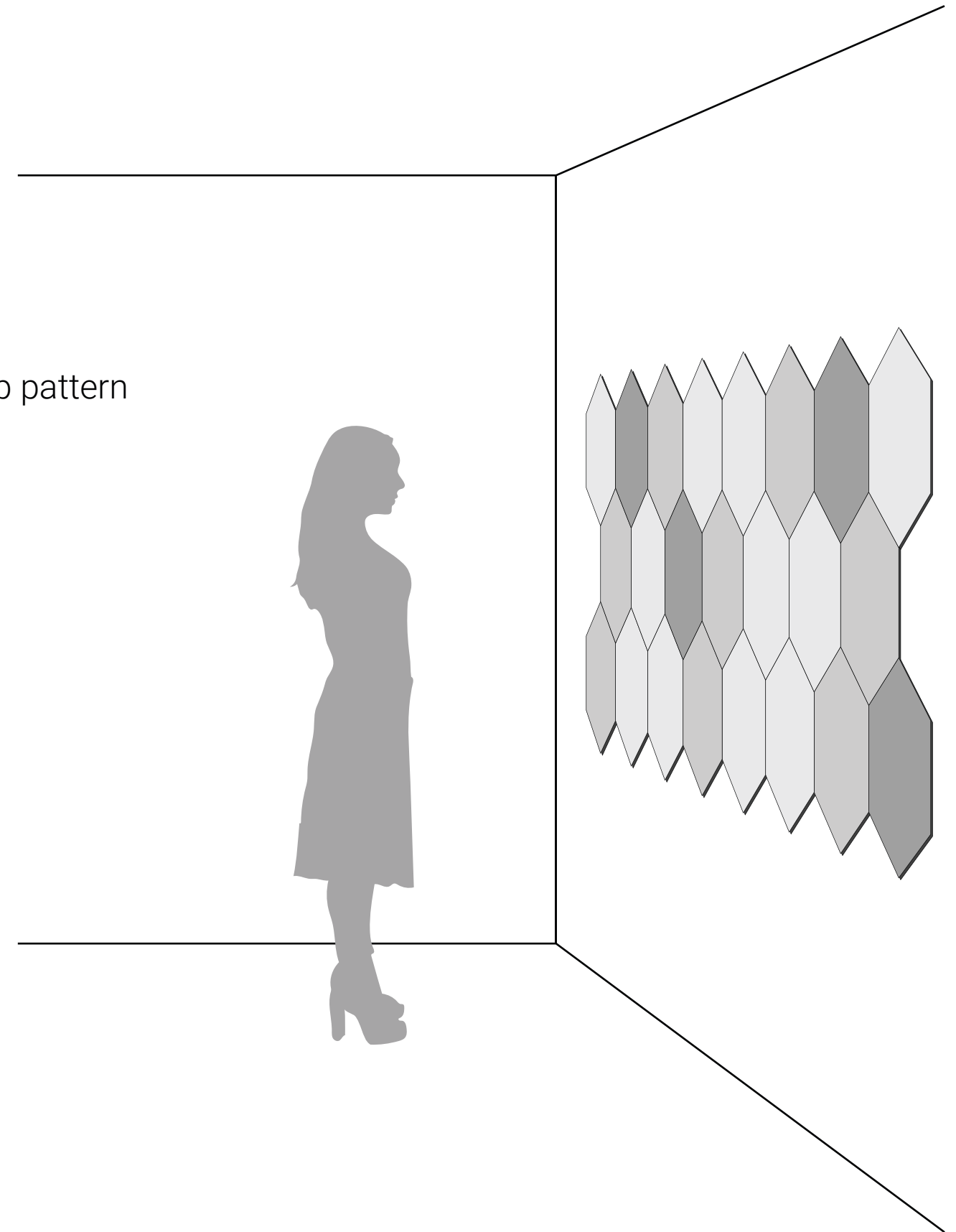
Spacing & Orientation

Flat Geometry, Full Impact.

- Tight Fit / Seamless Grid: No gaps between tiles
- Spaced Tiles: Use 1/4"–1" spacing to create rhythm or break up pattern

Orientation Ideas:

- Hex: Classic honeycomb / staggered grids
- Prism: Triangular scatter or tessellation
- Rhombus: Diamond grid or optical illusions
- Block: Brick bond or stacked



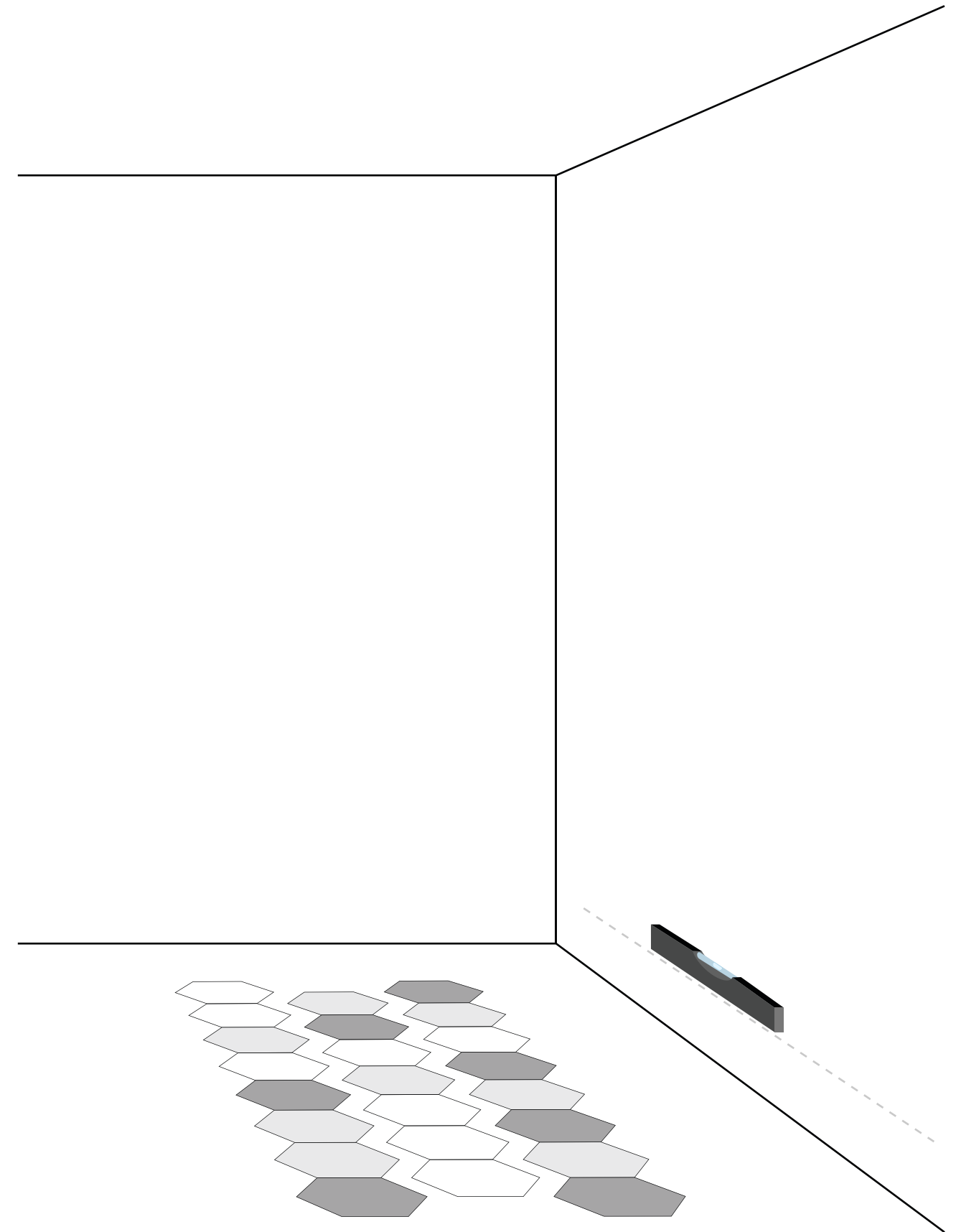
Installation & Mounting

Tools & Materials

- ONNiT Commercial Adhesive Tabs (4 per tile recommended)
- Loctite® PL Premium Construction Adhesive or equivalent
- Level or laser line
- Tape measure
- Pencil or chalk line
- Clean microfiber cloth

Before You Begin

- Ensure the wall surface is clean, smooth, dry, and dust-free
- Lay out your tile arrangement on the floor or with a printed grid
- Mark a level line to align the first row of tiles



Step-by-Step Instructions

1. Peel and Place Tabs

- Peel 1 of the 4 adhesive tabs from its branded liner
- Firmly press and rub the entire tab (including the edges) onto the back side of the tile
- Recommended tab positions: near each corner of the tile, approximately 1–2" from the edge

2. Add Construction Adhesive

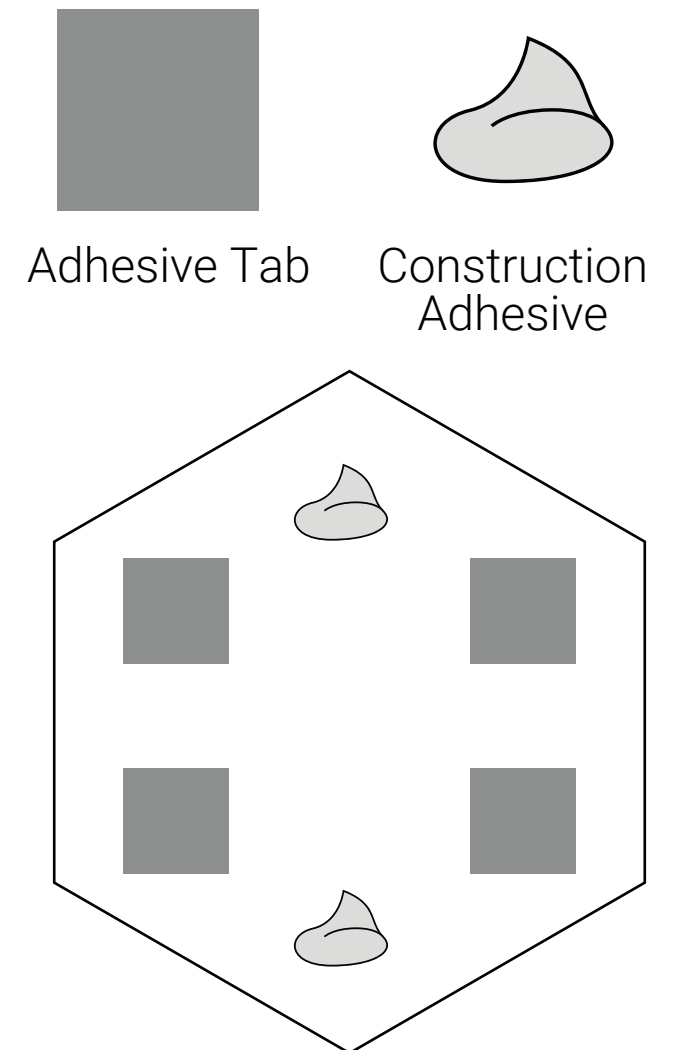
- Between the adhesive tabs, apply a ¼-inch bead or dot of construction adhesive
- Keep adhesive at least 1" away from tile edges to avoid squeeze-out
- Press the adhesive slightly beyond tab zones to ensure solid contact with wall

3. Apply Tile to Wall

- Line up the tile using your level mark
- Firmly press the tile onto the wall and hold pressure for 5–10 seconds
- Press across the full tile surface to ensure adhesive and tabs bond evenly

4. Repeat and Align

- Continue with adjacent tiles, ensuring tight seams or intended spacing (if part of a pattern)
- For best results, work row-by-row, checking alignment frequently with a level



Finish Options - Color with Character. Form with Purpose.

Choose from ONNiT’s 32 standard PET colors, ranging from subtle neutrals to bold accent hues. Create tonal variations or contrast within a single wall layout to highlight form and texture.



Custom Options: • Custom color matching available • Multicolor tile sets available upon request



Sustainability + Compliance

- Made from 75%+ post-consumer recycled PET
- Made with Certified OEKO-TEX® and Global Recycled Standard (GRS) materials
- Formaldehyde-free and low VOC
- Moisture, mold and mildew resistant
- Contributes to LEED MR and EQ credits



Acoustic Testing Data

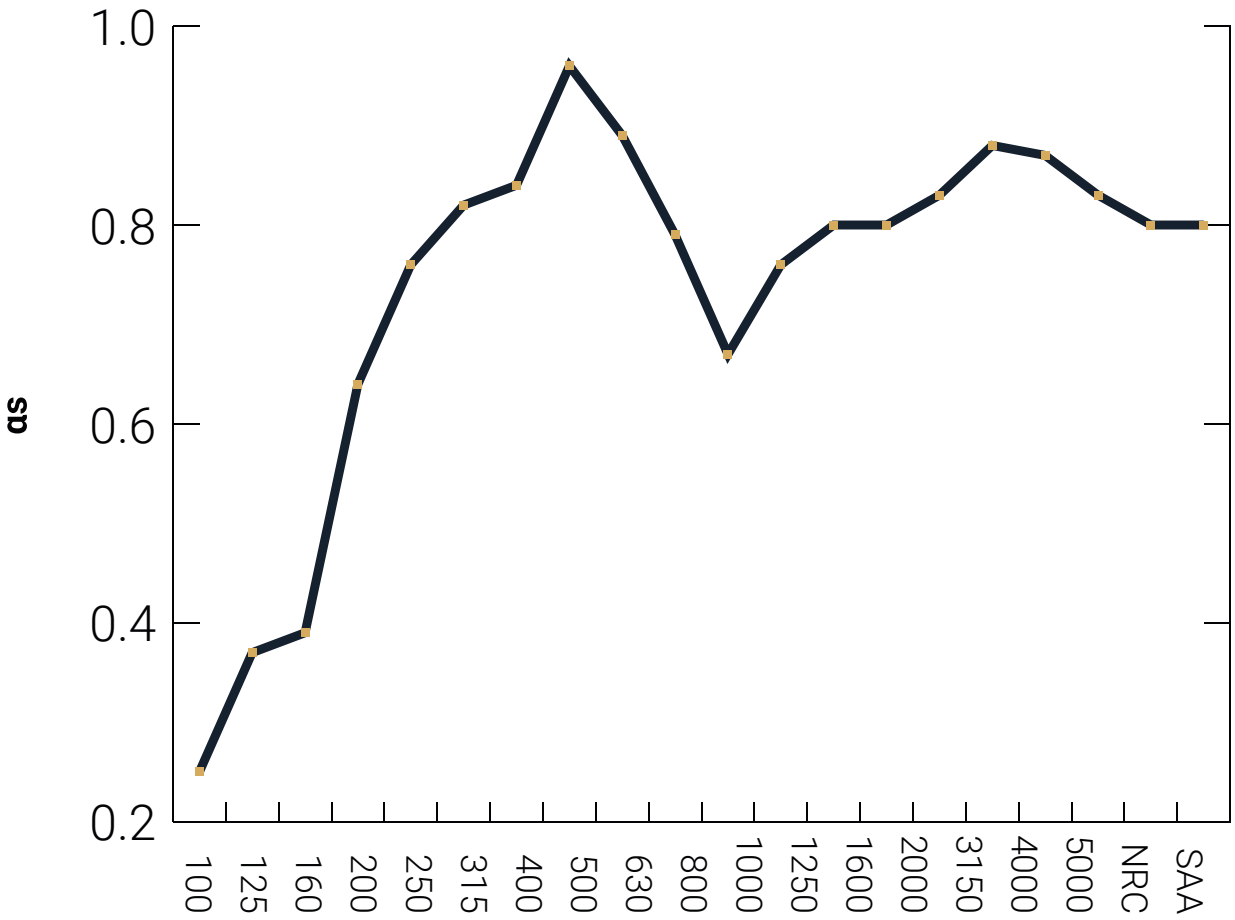
Volume of the reverberation room	Vs, m3	240	Installation Type:	E200
Room temperature	t1, °C	13	t2, °C	13
Relative humidity of test rooms	H1, %	70	H2, %	70

Sample description:

Sample Size (width*length), mm	1220*2440	Thickness, mm	9.0
Edge treatment	/	Mass, kg/m²	2.05
Test Area, m²	10.8		



Frequency (Hz)	αs
100	0.25
125	0.37
160	0.39
200	0.64
250	0.76
315	0.82
400	0.84
500	0.96
630	0.89
800	0.79
1000	0.67
1250	0.76
1600	0.80
2000	0.80
2500	0.83
3150	0.88
4000	0.87
5000	0.83
NRC	0.80
SAA	0.80





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