

Armstrong 816A

Armstrong World Industries 816A Mineral Fiber Ceiling Tile User Manual

Model: 816A

1. INTRODUCTION

This manual provides comprehensive instructions for the proper handling, installation, and maintenance of Armstrong World Industries 816A Mineral Fiber Ceiling Tiles. These tiles are designed for use in suspended ceiling grid systems, offering both acoustic performance and a clean aesthetic. Adhering to these guidelines will ensure optimal performance and longevity of your ceiling system.

2. SETUP AND PRE-INSTALLATION

2.1 Required Tools and Materials

- Utility knife or ceiling tile cutter
- Tape measure
- Straightedge
- Safety glasses
- Work gloves
- Pencil
- Appropriate suspended ceiling grid system components

2.2 Site Preparation

- Ensure the installation area is clean, dry, and free from debris.
- Maintain a consistent room temperature and humidity level for at least 24 hours before, during, and after installation to allow tiles to acclimate.
- Inspect all ceiling tiles for any visible damage or defects before installation. Do not install damaged tiles.

3. INSTALLATION

The Armstrong 816A ceiling tiles are designed for a standard lay-in installation within a suspended grid system. Follow the grid system manufacturer's instructions for grid assembly prior to tile installation.

3.1 Lay-In Installation Steps

1. **Start Point:** Begin installing tiles from the center of the room or a designated starting point to ensure a balanced appearance.
2. **Placing Tiles:** Gently lift each tile at an angle and carefully lower it into the grid opening. Ensure the tile rests evenly on all four grid flanges.
3. **Cutting Edge Tiles:** For perimeter tiles or around fixtures, measure the required size accurately. Use a utility knife and a straightedge to cut the mineral fiber tile. Score the tile deeply on the finished side, then snap it along the score line. For a cleaner cut, score the back side as well.
4. **Handling:** Handle tiles by their edges to avoid damaging the face. Wear clean gloves to prevent transferring dirt or oils to the tile surface.



This image displays the surface texture and edge profile of the Armstrong 816A ceiling tile, highlighting its white, textured finish and square edge design, ready for lay-in installation.

4. USAGE CONSIDERATIONS

While ceiling tiles do not have operational functions, certain considerations ensure their optimal performance and appearance over time.

- **Environmental Conditions:** Avoid exposing tiles to extreme humidity or temperature fluctuations, as this can lead to warping or sagging.
- **Weight Distribution:** Do not place excessive weight directly on the ceiling tiles. Any items requiring suspension from the ceiling should be supported by the grid system or structural elements above.
- **Impact Protection:** Protect tiles from direct impact or sharp objects, which can cause dents or punctures.

5. MAINTENANCE

Regular maintenance helps preserve the appearance and integrity of your Armstrong 816A ceiling tiles.

5.1 Cleaning

- **Dusting:** Use a soft, dry cloth or a duster to remove light dust.
- **Vacuuming:** For more accumulated dust, use a vacuum cleaner with a soft brush attachment on a low setting.
- **Spot Cleaning:** For minor marks, gently wipe with a slightly damp cloth using only water. Avoid harsh chemicals or abrasive cleaners, as these can damage the tile surface. Test any cleaning method on an inconspicuous area first.

5.2 Repair and Replacement

- **Minor Damage:** Small scuffs or marks may sometimes be carefully touched up with a matching white paint, if approved by the manufacturer.
- **Tile Replacement:** For significantly damaged, stained, or warped tiles, the most effective solution is replacement. Gently lift the damaged tile out of the grid and insert a new one following the installation steps.

6. TROUBLESHOOTING

This section addresses common issues that may arise with ceiling tiles.

Issue	Possible Cause	Solution
Tiles are sagging or warping	High humidity, water damage, improper installation, excessive weight on tiles.	Address humidity issues, repair leaks, ensure proper grid support, replace damaged tiles.
Discoloration or staining	Water leaks, smoke, dirt accumulation, mold/mildew.	Identify and fix source of leaks, clean or replace stained tiles, improve ventilation.
Tiles do not fit properly in grid	Incorrect tile size, improperly installed grid, tile expansion/contraction.	Verify tile dimensions, check grid alignment and squareness, allow tiles to acclimate before installation.

7. SPECIFICATIONS

Key specifications for the Armstrong 816A Mineral Fiber Ceiling Tile:

Feature	Detail
Brand	Armstrong
Model Number	816A
Material	Mineral Fiber
Size	24 x 24 inches
Item Thickness	5/8 inches (0.63 Inches)
Color	White
Finish Type	Textured
Installation Type	Lay-In
Edge Style	Square Edge
Item Weight (per package)	49 pounds (for PK 12)

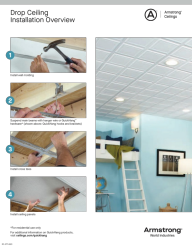
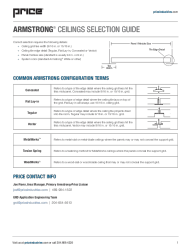
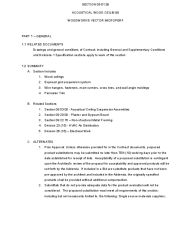

Feature	Detail
UPC	042369408660
Water Resistance Level	Not Water Resistant

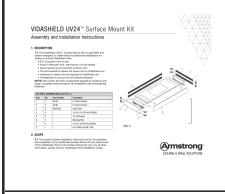

8. WARRANTY AND SUPPORT

Armstrong World Industries provides a manufacturer's warranty for its products. For specific warranty details, terms, and conditions, please refer to the official Armstrong World Industries website or contact their customer support directly. Keep your purchase receipt as proof of purchase.

For technical assistance, product inquiries, or to report any issues, please contact Armstrong World Industries customer service.

Related Documents - 816A

	<p>Armstrong Drop Ceiling Installation Overview: A Step-by-Step Guide</p> <p>Learn how to install an Armstrong drop ceiling with this concise overview. Covers wall molding, main beams, cross tees, and ceiling panel installation for residential use. Features QuickHang™ hardware.</p>
	<p>Armstrong Ceilings Selection Guide: Grid and System Options</p> <p>A comprehensive guide to selecting Armstrong ceiling grid systems, including Prelude, Interlude, Silhouette, Sonata, Suprafine, and TechZone series, detailing grid widths, tile edge types, and diffuser compatibility.</p>
	<p>WOODWORKS Vector MicroPerf Acoustical Wood Ceilings Specification</p> <p>Comprehensive specifications for Armstrong's WOODWORKS Vector MicroPerf acoustical wood ceiling panels and suspension systems, detailing product attributes, installation, quality assurance, and warranty for architectural applications.</p>
	<p>DynaMax Plus Structural Aluminum Suspension System for Data Centers Armstrong</p> <p>Discover the DynaMax Plus Structural Aluminum Suspension System by Armstrong, engineered for data centers. This system offers enhanced load capacity, extended span capabilities, and seamless integration for critical infrastructure, MEP components, lighting, and containment solutions.</p>

	<p>VIDASHIELD UV24™ Surface Mount Kit: Assembly and Installation Guide</p> <p>Official assembly and installation instructions for the Armstrong VIDASHIELD UV24™ Surface Mount Kit, detailing the setup process for surface-mounted VidaShield units.</p>
	<p>ACOUSTIBuilt® Seamless Acoustical Ceiling and Wall System Installation Guide</p> <p>Comprehensive installation and assembly guide for Armstrong ACOUSTIBuilt® seamless acoustical ceiling and wall systems. Learn about product features, safety, design considerations, step-by-step installation, finishing, and system components for achieving superior acoustical performance.</p>