

Acoustic Systems Product Data – Superfine Finish

1. Description

StarSilent seamless acoustical plaster ceiling is comprised of a sound absorbing board that allows jointless areas of up to 1800 square feet. This board is manufactured with 96% recycled glass. The substrate is then coated with StarSilent Superfine acoustic fibre-free plaster, resulting in an aesthetically pleasing and Superfine finish.

2. Uses

StarSilent acoustical plaster system can be used as a finish system for walls and ceilings. The material is recommended for interior use only. Typically, StarSilent is specified for office interiors, lobbies, atriums, natatoriums, gymnasiums and other areas requiring acoustical performance without the look of ceiling grids. The finish is available in white or can be painted without the loss of sound absorbing qualities. The Superfine finish is especially recommended when there is high ceiling heights as full deck scaffolding is not required and the Superfine texture appears smooth and where critical light may highlight the hand trowelling limitations of the smooth system.

3. Applications

StarSilent acoustical systems are to be installed only by approved StarSilent applicators. An approved applicator list is available through Pyrok Inc. or your local representative.

4. Application Procedures Summary

StarSilent boards are to be mechanically fastened to a rigid framing system. The framing system should include 20 gauge $\frac{7}{8}$ framing channels on 16 inch centers and must be approved by the applicator prior to installation of the board system. StarSilent boards are installed in a staggered pattern and are joined together with StarSilent Adhesive. Perimeters of the StarSilent system must not be attached to walls or other surfaces (floating). Light fixtures and other items penetrating the ceiling must be reviewed and approved by the applicator prior to their use and installation in the ceiling. Once the boards are installed then the StarSilent Superfine finish is applied in 3-4 light coats. Each coat requires 12 hours for drying. Minimum temperatures should be maintained at 50 degrees Fahrenheit or higher.

5. Architectural Details

Critical Light – StarSilent acoustical systems offer a superior alternative to standard acoustical ceiling systems. With the look of flat plaster or drywall ceilings, the StarSilent acoustic system is a hidden high performance acoustical product. Daylight at the end of a corridor and windows, artificial light sources adjacent to a wall or ceilings are typical issues that should be discussed in the design stage. The StarSilent Superfine finish is recommended when critical light will highlight blemishes in a smooth hand troweled system.

Finish Surface – The StarSilent Superfine acoustic system provides a lightly textured and monolithic finish surface, similar to a painted surface with a sand aggregate. StarSilent is not a leveling plaster; therefore it will follow the contours of the StarSilent substrate board. If framing systems are not installed level then the board and plaster will conform to the framing system. A tolerance of $\frac{1}{32}$ inches in 4 feet is acceptable.

6. Acoustical Performance

The StarSilent Acoustical System is mounted with an air gap to maximize sound absorbing performance. The gap can be as little as $\frac{3}{4}$ inch (where ceiling heights need to be preserved) to $3\frac{5}{8}$ inches for wall assemblies or greater. The acoustical performance is typically an NRC = 0.65 to 0.70. Acoustical tests reports are available upon request.

7. Cleaning & Repair

The StarSilent finish can be cleaned by vacuum brushing. Scratches and dents can be repaired but only by an approved StarSilent installer or Pyrok Inc.

8. Warranty

Manufacturer shall warrant the material to be supplied, agreeing to repair / replace that which has cracked, flaked, dusted excessively, peeled or fallen from substrate or otherwise deteriorated to a condition where it would not perform effectively as intended for a sound absorbent purpose; due to defective materials and not due to abuse, improper maintenance, unforeseen ambient exposures or other causes beyond anticipated conditions by the manufacturer. The warranty period will be 5 years from date of substantial completion.