

General Conditions for Installation

Limitations & Guidelines

As with any hand-crafted plaster, the final appearance of the Fellert acoustical system may vary slightly throughout the expanse of the surface area especially under critical lighting conditions. The installer should always follow local building codes and regulations and is fully responsible for the quality of the installation. The Fellert Acoustical System will have a monolithic troweled appearance with a porous surface; it will not have a painted drywall appearance.

Job Conditions

- All windows and exterior doors shall be in place and glazed. The building shall be watertight prior to the start of the installation. This condition should be maintained during and after the installation. All GWB substrates must be “sealed air tight” to a level one finish. All HVAC, electrical, fire sprinkler and other penetrations shall be sealed with traditional drywall tape or a self-adhesive fire-tape to prevent air movement between the occupied space and the plenum. For direct attachment to ceiling grid applications ensure that the HVAC system in the occupied space is properly balanced. Ensure to have the HVAC dusts/vents flushed prior to installation.
- Fixtures such as MEP, lighting, sprinklers, ventilation, etc., should be in place prior to the start of the installation.
- The Fellert acoustical materials are for interior use only. The installation should be done within typical occupancy temperature ranges of 15–32 °C (60–90 °F) and at a maximum of 70% relative humidity. This condition should be maintained during and after the installation.
- Acoustical boards shall be protected from exposure to sunlight. Keep the boards in the packaging until ready for use. Ensure that there are no delays in spraying the first coat of Fellert acoustical plaster to the boards.
- It is not recommended to have cold joints in the finish plaster. The final application of the Fellert acoustical plaster has to be completed in a single work step—done corner-to-corner or to a break stopping point.

Control Joints

Fundamentally speaking, the elastic nature of the Fellert plaster system means that there is no engineering requirement of control joints except when a building is under excessive structural stress. Structural expansion joints are observed however. There are practical limitations of how large of an expanse the Fellert contractor can complete the final coat of plaster in a single work day. The following are guidelines:

- Up to 2,500 sqft (232 M2) achievable with a Fellert contractor under normal working conditions.
- Up to 5,000 sqft (465 M2) achievable with an experienced Fellert contractor; however, additional spray crews will be required. Additional working hours may be required.
- Over 5,000 sqft (465 M2) achievable with an experienced Fellert contractor; however, additional spray crews will be required. Additional working hours will be required. Proper planning is required when attempting very large expanses.

Effects of Lighting

It is advisable to consider that the lighting selected be complementary to the ceiling finish. The most critical factor is the direction of the light source. A critical horizontal light that strikes any ceiling surface at an acute angle accentuates normal ceiling irregularities, affecting the final appearance of any finish. Exterior lighting from windows can highlight the natural variations of hand-crafted plaster. The Fellert Acoustical System will have a monolithic troweled appearance with a porous surface; it will not have a painted drywall appearance.

