



Fellert Product Data Sheet

Product Description

Fellert is a hand-crafted seamless sound absorption system. The Fellert system consists primarily of fiberglass boards and acoustical plaster made from Perlite and Cotton.

Properties

- Fellert Plaster is comprised of 30% recycled material
- Fiberglass Board is comprised of 40% recycled material
- Relatively easy to maintain
- Powder products unaffected by frost
- Pot Life of 12-18 hours
- Excellent Water Vapor Permeability
- Thermal Conductivity ASTM C-177 @ 75 F on 6.0 PCF 0.22
 - 1" Fellert Fiberglass Board 4.55 R Value
 - 1.5" Fellert Fiberglass Board 6.82 R Value

Suitable General Substrates

- 5/8" Regular Gypsum Wallboard
- Metal Ceiling Grid (16" o.c. as constructed for 5/8" commercial drywall installations)
- Concrete
- Previously Painted Substrates

Test Data

Sound Absorption as per ASTM C423 Mount Type A

NRC 0.70 with 1" Fiberglass and Fellert Plaster to 5/8" GWB for Natural/Troweled Finishes

NRC 0.65–0.75 with 1" or 1.5" Fiberglass and Fellert Plaster to 5/8" GWB for Ultra Finish

NRC 0.30 with Fellert Plaster only to 5/8" GWB for Natural/Troweled Finishes

NRC 0.40 with Fellert Plaster only to 5/8" GWB for Ultra Finish



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Sound Absorption as per ASTM C423 Mount Type E

NRC 0.60 with 1" Fiberglass and Fellert Plaster *attached directly to ceiling grid* for Natural/Troweled Finishes
NRC 0.60 with 1" Fiberglass and Fellert Plaster *attached directly to ceiling grid* for Ultra Finish

Light Reflectance as per ASTM E1477-98a

0.79 with Natural/Troweled Finishes
0.80 with Ultra Finish

Fire Testing as per ASTM E84-04

Class A

VOC as per ASTM D3960

Implied zero VOC product.

IAQ Emissions Requirements of California Section 01350

Meets IAQ requirements of California section 01350.

Installation

The 1" fiberglass board is typically attached to gypsum wall board with a cementitious adhesive or mechanically attached to 16 o.c. ceiling grid. The acoustical plaster is mixed with water and applied with a spray machine and troweled to an approximate thickness of 1/8". Refer to the *Fellert North American Installation Guide* for application instructions and coverage rates.

Storage

Store all materials in an enclosed dry environment and not in direct sunlight. Protect primer from frost.

Health & Safety

- When mixing any of the dry powder products wear a respirator
- When handling and installing any fiberglass boards panels follow OSHA recommendations
- When using any of the Fellert products wear protective clothing and avoid contact with your skin whenever possible
- Wear eye protection at all times. If eye contact occurs irrigate eye with clean water and seek immediate medical attention
- If any of the materials are swallowed, seek immediate medical attention

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