

IAR Library: Brochures 09.00.00
Acoustical Plaster
09.00.00
2012

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| PRODUCT INFORMATION | TYPE OF PRODUCT | Plaster |
| | COMPANY NAME | Pyrok Acoustement |
| | PRODUCT/COLLECTION NAME | Architectural Acoustical Plasters for Schools, Universities and Institutional Facilities |
| | DESCRIPTION | <p>Acoustement Plaster 20 is a 22 lbs per cubic foot gypsum-based formulation used for interior applications where contact or high abuse is not a requirement. It has the capability to be our smoothest finish and still retain its sound absorption. Ideal for drywall substrates can be applied to a variety of unpainted substrates.</p> <p>Acoustement Plaster 40 is a 40 lbs per cubic foot gypsum plaster formulation used for interior applications where contact and moderate abuse may occur. This product is suitable for interior and exterior applications to unpainted concrete, metal deck, structural steel, concrete block and other substrates containing Portland cement.</p> <p>Acoustement 40 is a nominal 41 PCF (air-dried density) Portland cement/exfoliated vermiculite spray-applied formulation 100% free from asbestos and mineral fibers, polystyrene, and cellulose. Pyrok acoustement 40 is highly abuse resistant (impact, abrasion, moisture, hostile industrial environments), has excellent adhesion to a variety of substrates, allows substrates to breathe and be cleaned by a variety of methods.</p> |
| MATERIAL FEEDSTOCK | MATERIAL CONTENT | Gypsum-based |
| | RECYCLED CONTENT % | |
| | RAPIDLY RENEWABLE CONTENT % | None |
| | HARMFUL ADDITIVES | None |
| | HARMFUL EMISSIONS | LC50>300 grams |
| | EMISSION STRENGTH OVER TIME | 10 year warranty |
| MANUFACTURING | TREATMENTS | The Acoustement Plaster 40 can be painted without loss of its sound absorbing properties. |
| | MANUFACTURING PROCESS | No by-products are produced in the manufacturing process. No toxic or hazardous materials are used or produced. |
| | HARMFUL EMISSIONS | None |
| | LOCATION OF MANUF. PLANT | Atlanta |
| | TESTS/CODES | No Asbestos No Mineral Fiber 0 Flame Spread 0 Smoke Developed |
| INSTALLATION | 3RD PARTY CERTIFICATION | None |
| | INSTALLATION PROCEDURE | Spray into place. Unused finish coat materials can be saved for use on other projects. The light weight of Acoustement Plaster 40 materials simplifies handling and reduces installation energy use. |
| | INSTALLATION ADHESIVES | None |
| | UNIT COST | Depends on product |
| | LIFE CYCLE ANALYSIS | Long life |
| MISC. PROPERTIES | END OF SERVICE LIFE | 100 percent of demolition debris may be recycled as a fill material or roadway base material. |
| | QUALITIES/PROPERTIES OF PRODUCT | Pyrok Acoustement Plaster 20 has excellent adhesion to plaster substrates, and allows substrates to breathe. Mold resistant. 100% free from asbestos, mineral fibers, polystyrene and cellulose |
| | MISC. COMMENTS | All three types of Pyrok Acoustement have extensive acoustical test data for sprayed texture finishes; semi-smooth trowelled finishes and up to four coats of spray-applied, water-based paints. |
| | CONTRIBUTION TO LEED POINTS | <p>EA Prerequisite 1 – Fundamental Commissioning of the Building Energy System Provide access doors if required for commissioning or maintaining building systems located above ceilings.</p> <p>EA Credit 1 – Optimize Energy Performance Lighting Efficiency is dependent on the desired finish quality. The light reflectivity is as follows: Textured 42 in, Semi-Smooth 62 in, Painted 82 in (measured in accordance with DIN 5036 –Radiometric and Photometric Properties of materials). Thermal Insulation: R-value = 0.75 (measured in accordance with DIN 52613 – Thermal Insulation Testing; Determination</p> |

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| | | <p>of Thermal Conductivity by the Tube Method when tested in a horizontal position).</p> <p>MR Credit 2.1 and 2.2 – Construction Waste Management: Packaging: 35lbs bags packaged in paper-polyethylene lined bags. 55 bags shrink wrapped on a pallet, 1100 bags per truckload. Scrap: See Article 10 and 12, below.</p> <p>EQ Prerequisite 3 – Minimum Acoustic Performance.**Acoustement Plaster 40 sound absorptive finish contributes to control of reverberation within classrooms. Acoustement Plaster 40 can provide noise reduction coefficients (NRC) up to 0.75 at 1-1/4" thickness. (measured in accordance with ASTM C423 – Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method).</p> <p>EQ Credit 4.2 – Low Emitting Materials Acoustement Plaster products give off extremely low levels of VOCs: Acoustement Plaster 40: 0g/l (measured in accordance with procedures outline in CPA method 24 "Volatile Organic Content (VOC) of paints and related coatings." The VOC was calculated using the equation referenced in ASTM D3960 "Determination of Volatile Organic Compound Content of Paints and related coating")</p> <p>EQ Credits 8.1 and 8.2 – Daylight and Views See comment on lighting efficiency at EA credit 1, above.</p> |
| <u>COMPANY PROFILE</u> | GREEN PHILOSOPHY | N/A |
| | CONTACT | Pyrok, Inc. Andrew Sarcinella 36 Butler Hill Road Somers, NY 10589 914-277-5135 Tel www.pyrokinc.com |
| <u>MAINTENANCE</u> | AFTER INSTALLATION | Acoustement Plaster 20 and Acoustement Plaster 40 can be cleaned by vacuum brushing while Acoustement 40 can also be cleaned by high pressure water (up to 1000 psi) with detergent or steam. 10 year warranty. |