

Pyrok Acoustement Plaster 40 Decorative/Acoustical Surfacing Material Product Data

1. Description

Pyrok Acoustement Plaster 40 is a 40 PCF (air-dried density) gypsum plaster/exfoliated vermiculite spray-applied formulation 100% free from asbestos, mineral fiber polystyrene and cellulose.

Pyrok Acoustement Plaster 40 is highly abuse resistant (impact, abrasion) and allows substrates to breathe, and can be readily cleaned by a variety of methods.

2. Uses

Pyrok Acoustement Plaster 40 can be used as a decorative surfacing material, an acoustically attenuating surfacing material or as a combination of these qualities even in conjunction as a fireproofing material. This material is recommended for interior applications where superior abuse resistance is required.

Typically, Pyrok Acoustement Plaster 40 is specified for use in hotel lobbies, atriums, gymnasiums, manufacturing facilities, contact wall areas, and any other area requiring high abuse resistance and sound absorption qualities.

It can also be used on interior surfaces of walkways, hallways and rooms where a purely decorative finish is desired.

Pyrok Acoustement Plaster 40 may also be used on suspended ceilings as a combination acoustical finish and decorative material depending on the structural configuration and building use.

Custom integral coloration is available within the limits of iron oxide pigmentation.

3. Packaging

35lb. Kraft paper/polyethylene-lined bags
55 bags shrink-wrapped pallet (minimum)
1100 bags per truckload

4. Yield

15Bd. Ft./bag (ideal)

5. Installers

Pyrok, Inc. recommends application of Pyrok Acoustement Plaster 40 be performed only by approved Pyrok applicators. An approved applicator list is available from Pyrok, Inc.

6. Application Procedures Summary

Pyrok Acoustement Plaster 40 may be applied directly to gypsum wallboard, cement board and other clean, sound substrates. Contact Pyrok, Inc. for verification of compatibility with substrate and suitability of primer.

Mix in mechanical type mixer with paddle or ribbon type blades. Use 3-5 gallons of clean, potable water per each 35-pound bag of Pyrok Acoustement Plaster 40. Mix 1 to 2 minutes.

Spray-apply using equipment recommended by Pyrok, Inc. Air supply at the spray nozzle shall be a minimum of 40 pounds per square inch. Wet density at the nozzle shall be 70-85 pounds per cubic foot.

Application

Brush or roll-apply a liberal coat of Plasterweld/Weld-Crete to the substrate immediately prior to the application of Pyrok Acoustement Plaster 40. Apply a splatter-coat covering 60% to 80% of the substrate surface. Allow splatter coat to cure overnight. Successive coats of Pyrok

Acoustement Plaster 40 shall not exceed 1/8 to 1/4 inch thick per application. 2-3 days of drying time will be required after 5/8-inch thickness has been applied and additional thickness is required. Where thickness of the Acoustement Plaster 40 is to exceed 1 1/8 inch, or existing paint is not removed, chicken wire or metal lath must be fastened to the substrate. During application and drying of the Acoustement Plaster 40, temperatures should be maintained between 50 - 95 degrees Fahrenheit. The humidity should be maintained between 45% - 75% for proper application and drying.

Top Coating/Curing

Pyrok Acoustement Plaster 40 may be supplied in several integral colors. Consult Pyrok, Inc. for further information regarding suitable top coating and curing compounds.

Patching or Repair

Contact Pyrok, Inc. or your construction representative for patching or repair procedures.

Cleaning

Wet Pyrok Acoustement Plaster 40 may be removed by brushing or with water. Dry Pyrok Acoustement Plaster 40 may require scraping or chipping to remove.

Pyrok Acoustement Plaster 40 may be vacuum-brush cleaned after set.

Storage and Shelf Life

Store Pyrok Acoustement Plaster 40 off the ground in unopened, original packages and keep dry. Pyrok Acoustement Plaster 40, kept dry, has a one (1) year shelf life.

Warranty

Manufacturer warrants the material to be supplied, agreeing to 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 fire protection and sound absorbent purposes; due to defective materials and not due to abuse, improper maintenance, unforeseeable ambient exposures or other causes beyond anticipated conditions by manufacturer. The warranty period will be 10 years from date of installation. Manufacturer's liability under any expressed or implied warranty is limited solely to replacement of Pyrok products proved defective and does not include labor or other consequential damages. The suitability of the product for any intended use shall be solely up to the user.

The express warranties set forth herein are in lieu of all other warranties, express or implied, including without limitation, any warranties or merchantability or fitness for a particular purpose. In no event shall manufacturer be liable for any direct, indirect, incidental, or consequential damages resulting from any defect in the material even if manufacturer has been advised of the possibility of such damages.

Physical Performance Properties

| Property | Test Method/Authority | Value |
|----------------------|---|-------------------------------------|
| Asbestos Content | EPA 400/4M-82-020 | No Asbestos No Mineral Fiber |
| Density | Per ASTM E 605 | 40 PCF (Avg.) |
| Sound Absorption | ASTM C 423 | 0.50 NRC @ 1/2" 0.65 NRC @ 1" |
| Surface Burning | ASTM E 84 | 0 Flame Spread 0 Smoke Developed |
| Toxicity | University of Pittsburgh Toxicity Test | LC (50) >300 Grams |
| Compressive Strength | ASTM E 761 | 60 PSI |
| Bond Strength | ASTM E 736 | 2000 lbs./ft2 |
| Combustibility | ASTM E 136 | Non-Combustible |

Sound absorption coefficient on solid backing with no air gap ASTM C 423

| Frequency (HZ) | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
|-------------------------------|------|------|------|------|------|------|------|
| Absorption Coefficient @ 1/2" | 0.08 | 0.11 | 0.28 | 0.57 | 0.97 | 0.91 | 0.50 |
| Absorption Coefficient @ 1" | 0.03 | 0.13 | 0.55 | 0.97 | 0.93 | 0.99 | 0.65 |