

SECTION 09 83 16
ACOUSTICAL PLASTER SYSTEMS

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PART 1 – GENERAL

1.1. SCOPE

- 25 A. Where drawings call for Acoustical Plaster System, provide Acoustical Plaster Systems as specified herein.
26 B. The Acoustical Plaster System is a complete manufactured system. Components of the system include a
27 prefabricated and pre-coated mineral wool, glass fiber, or similar sound absorbing panel which are pre-coated in
28 the factory. The pre-coated sound absorbing panels are adhered to the substrate with an adhesive. A sound
29 absorbing seamless plaster base coat and finish coat are thereafter applied onto the panels on site, then hand
30 troweled smooth, to give the appearance of a conventional smooth plaster surface. All components, including
31 the vinyl trims, are supplied by the manufacturer.
32 C. The Acoustical Plaster System shall be 25mm or greater thickness. The minimum Noise Reduction Coefficient
33 shall be .80 NRC.
34 D. Remove all existing light fixtures, electrical devices, mechanical grilles, and similar items. Extend existing device
35 backboxes and ductwork to the appropriate depth relative to the thickness of the Acoustical Plaster System.
36 Install proper blocking or other attachment system. Blocking or other attachment details shall be approved by
37 the Acoustical Plaster System manufacturer. Replace all existing light fixtures, electrical devices, mechanical
38 grilles, and similar items after completion of work.
39

1.2. RELATED REFERENCES

- 40 A. Work under this section depends on applicable provisions from other sections and the plan set in this contract.
41
42

1.3. SUBMITTALS

- 43 A. Product data: Submit manufacturer’s technical information.
44 B. Samples: Provide two samples of the selected finished product on sound absorbing panels.
45 C. Acoustical Performance Data: Provide acoustical performance sound absorption test report data for the
46 Acoustical Plaster System. Include a sound absorption coefficient report based on ASTM C423-09A or similar for
47 measurement of sound absorption by the reverberation room method.
48 D. Submit shop drawings with the Acoustical Plaster System plan, section, and trim details. Include blocking details
49 or other attachment details to extend existing fixtures and device backboxes and ductwork to the appropriate
50 depth relative to the Acoustical Plaster System.
51
52

1.4. QUALITY ASSURANCE

- 53 A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum
54 three years documented experience.
55 B. Training and Certification: Installation contractors shall be trained and certified by the Acoustical Plaster System
56 manufacturer.
57 C. Provide adequate temporary lighting as needed during installation.
58

- 1 D. Comply with manufacturer’s plaster application standards and recommendations for environmental conditions
2 before, during, and after installation.
3 D. Maintain room temperatures to meet the Acoustical Plaster System manufacturer’s air temperature
4 requirements during installation.
5 E. Ventilate building spaces as required to remove excess moisture to promote drying of the applied materials.
6

7 **1.5. DELIVERY, STORAGE AND HANDLING**

- 8 A. Ship and deliver materials in protective packaging to prevent freight damage.
9 B. Store materials in accordance with manufacturer’s recommendations in an enclosed space where materials will
10 be protected against damage from moisture, surface contamination, and other causes.
11 C. Allow materials to become acclimated to building conditions before installation.
12

13 **1.6. ATTIC STOCK**

- 14 A. Provide touch-up plaster.
15

16 **1.7. GUARANTEE**

- 17 A. Workmanship and materials in this section shall be guaranteed to be free from defects for a period of one (1)
18 year from date of final completion of project.
19 B. Any defects, not due to or caused by faulty construction or material furnished or performed by other crafts, but
20 due to defective materials and workmanship in installation and finishing, shall be repaired and corrected by the
21 Contractor without cost to the Owner.
22

23 **PART 2 - PRODUCTS**

24
25 **2.1. MANUFACTURERS**

- 26 A. BASWA Phon, Classic Fine Finish, 30mm
27 B. Fellert, Even Better Sahara Finish, 25mm *check selected finish “Sahara” or “Silk”? before publishing*
28 C. Fade, Plus+ Finish, 25mm
29

30 **2.2. APPLICATION EQUIPMENT**

- 31 A. Use only such equipment as is recommended for installation and application by the Acoustical Plaster System
32 manufacturer.
33 B. Include all required ladders, scaffolding, drop clothes, masking, scrapers, tools, dusters, cleaning solvents, and
34 waste, as required to perform the work.
35

36 **2.3. COLORS**

- 37 A. Color shall be “White” to be based on manufacturer’s standard color selection. Submit color sample to Owner
38 for approval.
39

40 **PART 3 - EXECUTION**

41
42 **3.1. EXAMINATION**

- 43 A. Verify that surfaces are ready to receive work as instructed by the Acoustical Plaster System manufacturer.
44 B. Before starting work carefully examine surfaces to receive the Acoustical Plaster System for defects. Correct any
45 defects that may be detrimental to the proper completion of work. Do not proceed until unsatisfactory conditions
46 have been corrected. The commencing of work in a specific area shall be construed as acceptance of the
47 surfaces, and thereafter the Acoustical Plaster System contractor shall be fully responsible for satisfactory work
48 as required herein.
49 C. Verify that all mechanical and electrical devices within the area of application have been roughed-in at the
50 appropriate depth relative to the thickness of the Acoustical Plaster System and tested prior to proceeding with
51 application.
52

53
54 **3.2. PREPARATION OF SURFACES**

- 55 A. Remove hardware, accessories, device plates, lighting fixtures, factory finished work and similar items. Upon
56 completion of each space, carefully replace all removed items.
57 B. Remove all existing light fixtures, electrical devices, mechanical grilles, and similar items. Extend existing device
58 backboxes and ductwork to the appropriate depth relative to the thickness of the Acoustical Plaster System.

- 1 Install proper blocking or other attachment system. Blocking or other attachment details shall be approved by
2 the Acoustical Plaster System manufacturer.
3 C. Protect adjacent surfaces. Mask and cover all walls and floors for in-place protection.
4 D. Prime the existing painted gypsum board ceiling with Sherwin Williams preprime bonding primer or equal.
5 E. Clean and prepare surfaces to receive the Acoustical Plaster System in accordance with the manufacturer's
6 instruction for each particular substrate condition and as specified.
7

8 **3.3. APPLICATION**

- 9 A. Apply the Acoustical Plaster System in accordance with manufacturer's written installation guidelines. Use
10 applicators and techniques best suited for substrate and type of material being applied.
11 B. Apply sound absorbing panels to existing gypsum ceiling with adhesive per Acoustical Plaster System
12 manufacturer's requirements.
13 C. Apply materials under adequate illumination. Replicate the actual finished lighting in the space during
14 application of plaster coatings.
15 D. Apply sound absorbing panels, plaster base coat and finish coat at not less than the manufacturer's
16 recommended thicknesses.
17 E. Coverage and hide shall be complete. When undercoats show through final coat of plaster, the surface shall be
18 covered by additional coats until the finish plaster coat is of uniform finish, color, appearance and coverage, at
19 no additional cost to the Owner.
20

21 **3.4. CLEANING**

- 22 A. At end of each workday, remove empty cans, rags, trash and other discarded materials from the project site.
23 B. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily
24 from site.
25 C. After completing Acoustical Plaster System application clean all adjacent surfaces including walls, floors,
26 windows, frames, fixtures, devices, and similar items. Remove spattered materials by washing, scraping, or other
27 methods. Do not scratch or damage adjacent finished surfaces.
28
29
30
31
32

END OF SECTION