



dB-4Pro™

Three Part Specification

PART 1.0 – GENERAL

1.1 SUMMARY

- A. This section includes the dB-4Pro™ sound damping material, designed to reduce impact and airborne noise underneath wood floors on a level sub-floor.
- B. Related Sections:
 - 090571 Acoustic Underlayment
 - 092800 Backing Boards and Underlayments
 - 098000 Acoustic Treatment
 - 134800 Sound, Vibration, and Seismic Control

1.2 REFERENCES

- A. Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. American Society for Testing and Materials (ASTM):
 - ASTM E90-02 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
 - ASTM E989-89 Standard Classification for Determination of Impact Isolation Class (IIC)
 - ASTM E413-87 Classification for Rating Sound Insulation.
 - ASTM E-84 Rev A Standard Test Method for Surface Burning Characteristics of Building Materials
 - ASTM E-119-08 Fire Tests of Building Construction and Materials. UL 263 Fire Tests of Building Construction and Materials – Thirteenth Edition
 - ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
 - ASTM G 21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
 - ASTM 7570 Standard Test Method for Evaluation of Dimensional Stability of Pile Yarn Floor Covering
 - ASTM F970 Static Load Limit
 - ASTM E96 Water Vapor Transmission





1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide dB-4Pro™ which has been manufactured and installed to maintain performance criteria stated by the manufacturer without defects, damage or failure.

1.4 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract.
- B. Product data: Submit manufacturer's product specification sheet.
- C. Samples: Submit 12"x12" verification samples of the supplied product.
- D. Quality Assurance Submittals:
 - 1. Test Reports: Provide test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Certificates: Product certificates signed by manufacturer or Product Data sheets certifying materials comply with specified requirements.
 - 3. Manufacturer's Instructions: Manufacturer's installation instructions
- E. Warranty: Manufacturer's warranty documents specified herein.

1.5 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installer Qualifications: No special training or techniques required to install dB-4looring™ Pro.
 - 2. Manufacturer's Qualifications: Manufacturer capable of manufacturing suitable products and approving application method.

1.6 DELIVERY, STORAGE & HANDLING

- A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Receiving: Verify quantity, condition, and dimensions comply with specifications ordered.
- D. Storage and Protection: Store materials at temperature and humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer. Do not install products under environmental conditions outside manufacturer's recommendations.

1.8 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. United Plastic Corporations liability and responsibility in the event of damages are limited to the extent defined in our General Terms and Conditions of Sale.





PART 2.0 – MANUFACTURER / PRODUCTS

2.1 MANUFACTURER:

dB Sound Control Solutions™,
a division of United Plastics Corporation
511 Hay Street, Mt. Airy, NC 27030
Telephone: (336) 786-2127 | Fax: (336) 786-6966

2.2 PRODUCT

- A. dB-4looring™ Pro, sound damping material, designed to reduce impact and airborne noise underneath wood floors on a level sub-floor.
- B. Material: Acoustical grade polymer and nonwoven scrim.
- C. Sheet Weight: 1.0 lb/ft² nominal
- D. Thickness: 0.15” nominal
- E. Part Sizes:
 - 3’ x 33’ roll size
 - Other sizes available
- F. Standard Tolerances: Width +0.5”, -0.00”
 - Width: +0.5”, -0.0”
 - Thickness: +0.005”, -0.003”
 - Length: +1.0%, -0.0”
- G. Product Performance: No fungal or algal growth and no visible disfigurement per ASTM D3273 and ASTM G 21.
- H. Installation Accessories
 - 1. No special accessories or equipment required to install dB-4looring™ Pro.

2.3 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

PART 3.0 - EXECUTION

3.1 MANUFACTURER’S INSTRUCTIONS

- A. Compliance: Comply with manufacturer’s product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.2 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions are acceptable for product installation in accordance with manufacturer’s instructions.

3.3 PREPARATION

- A. Gypsum concrete surface preparation: Surfaces to receive dB-4Pro™ shall be clean and cured per the gypsum concrete manufacturers curing instructions;
- B. Wood subfloor surface preparation: Surfaces to receive dB-4Pro™ shall be clean with no protruding fasteners.

3.4 INSTALLATION/APPLICATION

- A. Install in accordance with manufacturers recommendations.



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- B. It is recommended that areas to receive dB-4Pro™ should be weather tight and maintained at a minimum average temperature of 60°F for 24 hours before, during and after the installation.
- C. When dB-4Pro™ is in place, install flooring as specified by flooring manufacturer.

END OF SECTION