

InstaLay 50 & InstaLay 65

GENERAL PRODUCT SPECIFICATION

High Performance, Environmentally Friendly, Rubber Crumb Acoustic Resilient Membranes
Suitable for Under-screed applications

SECTION 09618 – SOUND ISOLATION MEMBRANES

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Sound Isolation Membranes for Under-screed Applications.

1.2 RELATED SECTIONS

- A. Section 09230: Aggregate Coatings.
- B. Section 09800: Acoustical Treatment.

1.3 REFERENCES

- A. ADE 2003 (Approved Document E) – Resistance to the passage of sound. Sound Regulations, England and Wales.
- B. UKAS - United Kingdom Accreditation Service.
- C. ΔL_w – The measured improvement of impact sound insulation from the installation of a floor covering or floating floor on a test floor in a laboratory.
- D. IIC - Impact Insulation Class.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - i. Preparation instructions and recommendations.
 - ii. Storage and handling requirements and recommendations.
 - iii. Installation methods.
- C. Selection Samples: Not Applicable.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The manufacturer shall be a firm with a minimum of 2 years of successful experience in the manufacture of products with similar requirements.
- B. Installer Qualifications: The installer shall be a firm with a minimum of 2 years of successful experience in the installation of products with similar requirements.
- C. ISO 9001 and ISO 14001 Certification (InstaCoustic Limited).
Registered Numbers: GB05/64743 and GB07/72623.

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1.6 DELIVERY, STORAGE & HANDLING

- A. Delivery: Deliver materials in manufacturer's unopened, original and undamaged packaging with identification labels.
- B. Storage: Store products in manufacturer's unopened packaging ready for installation.
- C. Handling: Handle products in accordance with manufacturer's recommendations.

1.7 PROJECT CONDITIONS

- A. Spaces must be enclosed and maintained dry with normal humidity and temperature levels between 55 and 75 Degrees Fahrenheit (10 and 24 Degrees Celsius) for a minimum of 3 days before, during and 3 days after installation of the screeded floor.
- B. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by the manufacturer for optimum results.
- C. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 – MANUFACTURER / PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturers:
 - i. InstaFloor t/a InstaCoustic Limited; Insta House, Ivanhoe Road, Hogwood Business Park, Wokingham, Berkshire. RG40 4PZ. United Kingdom. Tel: +44 (0)1189 739 560, Fax: +44 (0)1189 739 547, Email: sales@instafloor.co.uk, Web: www.instafloor.co.uk.
 - ii. InstaFloor SA (Pty) Limited; 5 Mallory Road, Hilton 3245. South Africa. Tel: +27 (0) 33 343 1360, Mob: +27 (0)83 631 6085, Email: sales@instafloor.co.za, Web: www.instafloor.co.za.
- B. Substitutions: Not permitted.

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2.2 SOUND ISOLATION MEMBRANES FOR UNDER-SCREED APPLICATIONS

A. High Performance, Environmentally Friendly, Rubber Crumb Acoustic Resilient Membranes:
Suitable for Under-screed applications.

i. **InstaLay 50**

- a. Thickness: 5.0mm.
- b. Roll Size: 1.0m x 10.0lm (10.0m² / roll) or 2.0m x 12.0lm (24.0m² / roll).
- c. Density: 400 kg/m³.
- d. Nominal Weight: 2.0 kg/m².
- e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing.
- f. Measured Improvement of Impact Sound (ΔL_w): 26dB.
- g. Impact Insulation Class (IIC): 58.
- h. Accessories: Jointing Tape, Waterproof Membrane.

ii. **InstaLay 65**

- a. Thickness: 6.0mm.
- b. Roll Size: 1.37m x 10.92lm (15.0m² / roll).
- c. Density: 370 kg/m³.
- d. Nominal Weight: 2.2 kg/m².
- e. Colour and Appearance: Black rubber crumb on a fibreglass backing.
- f. Measured Improvement of Impact Sound (ΔL_w): 25dB.
- g. Accessories: InstaLay 65 Edge Strip, Jointing Tape, Waterproof Membrane.

2.3 SOURCE QUALITY

A. Source Quality: Obtain Acoustic Resilient Membranes from a single manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect / Client of unsatisfactory preparation before proceeding.

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3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under project conditions.

3.3 INSTALLATION / APPLICATION

- A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

- A. Protect installed products until the completion of the project.
- B. Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION – 09618 SOUND ISOLATION MEMBRANES