

InstaLay (Plain and 'Self-Adhesive' Products)

GENERAL PRODUCT SPECIFICATION

High Performance, Environmentally Friendly, Rubber Crumb Acoustic Underlays
Suitable for stretch-fit, single-stick and double-stick installation methods

SECTION 09650 – RESILIENT FLOORING

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Resilient Flooring for stretch-fit, single-stick and double-stick installation methods.

1.2 RELATED SECTIONS

- A. Section 09640: Wood Flooring.
- B. Section 09680: Carpet.
- C. 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 finished 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 InstaCooustic 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 RESILIENT FLOORING FOR STRETCH-FIT, SINGLE-STICK AND DOUBLE-STICK INSTALLATION METHODS

A. High Performance, Environmentally Friendly, Rubber Crumb Acoustic Underlays: Suitable for stretch-fit, single-stick and double-stick installation methods.

- i. **InstaLay 25hg (high grab adhesive membrane)**
 - a. Thickness: 2.5mm.
 - b. Roll Size: 1.0m x 15.0lm (15.0m² / roll) / 3' 3" x 49' 2" (161.4ft² / roll).
 - c. Density: 452 kg/m³ / 28.2 lb/ft³.
 - d. Nominal Weight: 1.13 kg/m² / 0.23 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing innovative 'Self-Adhesive' installation system.
 - f. Measured Improvement of Impact Sound (ΔL_w): 17dB.
 - g. Impact Insulation Class (IIC): 49.
 - h. Accessories: Damp Proof Membrane.

- ii. **InstaLay 30**
 - a. Thickness: 3.0mm.
 - b. Roll Size: 1.0m x 15.0lm (15.0m² / roll) / 3' 3" x 49' 2" (161.4ft² / roll).
 - c. Density: 443 kg/m³ / 27.6 lb/ft³.
 - d. Nominal Weight: 1.33 kg/m² / 0.27 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing.
 - f. Measured Improvement of Impact Sound (ΔL_w): 23dB.
 - g. Impact Insulation Class (IIC): 55.
 - h. Accessories: Damp Proof Membrane.

- iii. **InstaLay 30lg (low grab adhesive membrane)**
 - a. Thickness: 3.0mm.
 - b. Roll Size: 1.0m x 15.0lm (15.0m² / roll) / 3' 3" x 49' 2" (161.4ft² / roll).
 - c. Density: 443 kg/m³ / 27.6 lb/ft³.
 - d. Nominal Weight: 1.33 kg/m² / 0.27 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing with innovative 'Self-Adhesive' installation system.
 - f. Measured Improvement of Impact Sound (ΔL_w): 23dB.
 - g. Impact Insulation Class (IIC): 55.
 - h. Accessories: Damp Proof Membrane.

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- iv. **InstaLay 30hg (high grab adhesive membrane)**
 - a. Thickness: 3.0mm.
 - b. Roll Size: 1.0m x 15.0lm (15.0m² / roll) / 3' 3" x 49' 2" (161.4ft² / roll).
 - c. Density: 443 kg/m³ / 27.6 lb/ft³.
 - d. Nominal Weight: 1.33 kg/m² / 0.27 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing with innovative 'Self-Adhesive' installation system.
 - f. Measured Improvement of Impact Sound (ΔL_w): 23dB.
 - g. Impact Insulation Class (IIC): 55.
 - h. Accessories: Damp Proof Membrane.

- v. **InstaLay 50**
 - a. Thickness: 5.0mm.
 - b. Roll Size: 1.0m x 10.0lm (10.0m² / roll) / 3' x 3" x 32' 10" (107.6ft² / roll) or 2.0m x 12.0lm (24.0m² / roll) / 6' 7" x 39' 4" (258.34ft² / roll).
 - c. Density: 400 kg/m³ / 25.0 lb/ft³.
 - d. Nominal Weight: 2.00 kg/m² / 0.41 lb/ft².
 - 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: Damp Proof Membrane.

- vi. **InstaLay 50lg (low grab adhesive membrane)**
 - a. Thickness: 5.0mm.
 - b. Roll Size: 1.0m x 10.0lm (10.0m² / roll) / 3' x 3" x 32' 10" (107.6ft² / roll).
 - c. Density: 400 kg/m³ / 25.0 lb/ft³.
 - d. Nominal Weight: 2.00 kg/m² / 0.41 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing with innovative 'Self-Adhesive' installation system.
 - f. Measured Improvement of Impact Sound (ΔL_w): 26dB.
 - g. Impact Insulation Class (IIC): 58.
 - h. Accessories: Damp Proof Membrane.

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- vii. **InstaLay 50hg (high grab adhesive membrane)**
- a. Thickness: 5.0mm.
 - b. Roll Size: 1.0m x 10.0lm (10.0m² / roll) / 3' x 3" x 32' 10" (107.6ft² / roll).
 - c. Density: 400 kg/m³ / 25.0 lb/ft³.
 - d. Nominal Weight: 2.00 kg/m² / 0.41 lb/ft².
 - e. Colour and Appearance: Black rubber crumb on a non-woven polypropylene backing with innovative 'Self-Adhesive' installation system.
 - f. Measured Improvement of Impact Sound (ΔL_w): 26dB.
 - g. Impact Insulation Class (IIC): 58.
 - h. Accessories: Damp Proof Membrane.
- viii. **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: Damp Proof Membrane.

2.3 SOURCE QUALITY

- A. Source Quality: Obtain Acoustic Underlays 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.

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.

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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 – 09650 RESILIENT FLOORING