



altro

installation guidance

Altro acoustic underlay 1101

MARCH 2005



Altro acoustic underlay 1101 is suitable for use with Altro safety flooring, Altro Mondo flooring and Altro smooth flooring. When tested in accordance with BS EN ISO 140-8:1998 the combined product meets the requirements of Approved Document E, Resistance to the passage of sound, July 2003 and BB93 Acoustic Design of Schools (min requirement 17dB).

Size

Altro acoustic underlay is supplied in rolls of 36m/20m/10m long x 1.15m wide x 3mm thick.

Storage

Altro acoustic underlay should be laid in accordance with the Code of Practice BS 8203: 2001. The material should be stored for approximately 24 hours at a room temperature of not below 18°C. When laying, the area

should be a steady temperature of between 18°C and 27°C for at least 48 hours prior to, during and for at least 24 hours after completion.

The material should be checked for any possible faults prior to laying and should be conditioned before adhering to the subfloor for a minimum of 2 hours. The material should be cut into lengths and laid loose for conditions.

Subfloor

The subfloor must conform with the requirements of BS 8203: 2001 and must be dry, smooth, clean and free from any contamination liable to impair adhesive.

Adhesive

Altro acoustic underlay should be fully adhered to the subfloor using the adhesive selected from the following guide:

Altro safety flooring to Altro acoustic underlay (in areas subjected to spills) Altro acoustic underlay to subfloor	AltroFix 19
Altro safety flooring to Altro acoustic underlay (no spills) Altro acoustic underlay to subfloor	AltroFix 365 or AltroFix 15
Altro smooth flooring to Altro acoustic underlay Altro acoustic underlay to subfloor	AltroFix 365 or AltroFix 15
Altro Mondo flooring to Altro acoustic underlay (heavy traffic or spills) Altro acoustic underlay to subfloor	AltroFix 41
Altro Mondo flooring to Altro acoustic underlay (light/medium traffic, no spills) Altro acoustic underlay to subfloor	AltroFix 365 or AltroFix 15

Note: AltroFix 15 should not be used to adhere Altro acoustic underlay to a non absorbent subfloor (use AltroFix 365).

Laying

The underlay can be laid in either the same direction or at 90° to the surface material, but with the joints not corresponding, we recommend that the underlay is adhered to the subfloor with the face side up as it is rolled out. The joints and perimeter can either be cut in before or after applying the adhesive. This will depend upon the preference of the flooring installer, however, it should be borne in mind that in large installations if the joints and/or the perimeter has been cut in, any movement of the sheet whilst replacing it into the adhesive may create a problem.

Turn the material back and apply the selected adhesive to the subfloor in accordance with the manufacturer's instructions.

After the specified open time, which can depend upon the subfloor, place the floor covering back into the adhesive pushing out any air bubbles. Remove any excess adhesive immediately using a damp cloth and depending upon the adhesives used (refer to Altro's adhesive data sheets) rolls the whole area with a floor roller both width ways and length ways.

Once the underlay has been fully adhered to the subfloor it should be left until the adhesive has set before the application of the surface material (refer to Altro's adhesive data sheet).

Protection

During the period of time from the installation of the Altro underlay until it is overlaid with the surface material, the underlay should be covered and protected from all other trades with a suitable non-staining protective covering.

Note: All resilient floor coverings, when installed in conjunction with an underlay are prone to increased indentation from point loading. Please consult Altro where such conditions exist.

For further information or technical advice

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TECHNICAL DATA SHEET

ALTRO ACOUSTIC UNDERLAY 1101

Product Description	Premanufactured elastic containing butyl-caoutchouc, bound with polyurethane.
Application	Impact sound insulation
Thickness	3mm
Colour	Black-brown with white particles
Roll dimensions	36m/20m/10m long x 1.15m wide
Specific Weight	Approx. 420 kg/m ³
Weight per m ²	Approx. 420 g/m ² /mm

Impact sound reduction	BS EN ISO 140-8	17dB
Tensile Strength	DIN 53 571 Specimen B	Approx. 0.6 N/mm ²
Elongation at Break	DIN 53 571 Specimen B	Approx. 20%
Stress at 25% Compression	DIN EN ISO 3386-2	Approx. 0.9 N/mm ²
Temperature Resistance	-	-40°C up to 115°C
Fire Resistance	DIN 4102	Class B2