

Attic Insulation

Attic Insulation by IsoSpray Spray Foam Systems

Cold attics will benefit from insulating with IsoSpray Foam. The spray foam also has the benefit that it will bond all slates and tiles on a pitched attic roof where nail fatigue is causing slippage. The rigid will bond all slates and tiles and prevent any future movement and slippage.

The polyurethane foam is applied at typically sprayed applied by heavy duty industrial compressors at 150° C and at a pressure of 600 psi. This ensures both excellent adhesion and effective coverage in all nooks and crannies. The polyurethane foam cures within a short time and is hard within an hour.

The spray foam is typically applied at a nominal depth of 40 mm. Because of the type of foam required for attic roof spaces, the foam will have a wavy and bumpy (not smooth and flat) surface and vary in actual depth from about 35 mm to about 50 mm. Spray foam should not be considered a final decorative product and should be considered an 'industrial process' in its application, i.e. it is a 'dirty trade' so masking is required where spray foam is not required! It is spray applied direct to the underside of the tile or slate. This is sufficient to provide excellent bonding and attic insulation. Polyurethane foam is about 3 to 4 times more effective than mineral wool insulation so depths do not have to be as great to achieve a more than adequate level of insulation.

The polyurethane foam used by IsoSpray is a class 1 fire retardant, is semi permeable and so allows timbers to naturally breath, and inhibits wet and dry rot. It is not a DIY product due to the nature of application (120° C and at a pressure of 600 psi) and the skill required during application. It bears no resemblance to DIY foam products sold in DIY stores which are flammable and cause timber sealing which leads to rot. It is a high performance spray foam that insulates and bonds an attic roof giving an extended roof life of many years, perhaps 100 years or more.

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IsoSpray Polyurethane Spray Foam Roof Insulation contractors