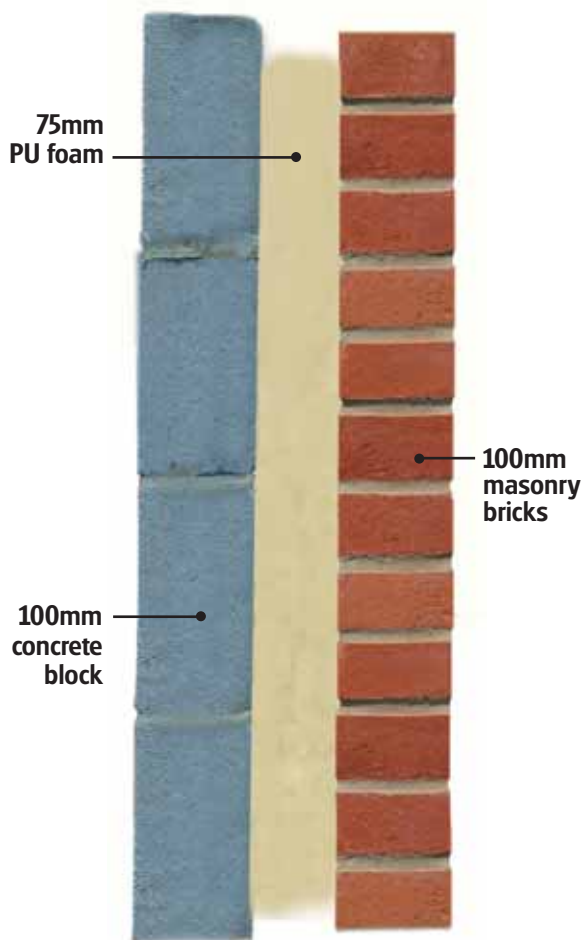


# Masonry cavity wall stabilisation and insulation foam



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## General

<b>Specification:</b>	BBA Certificate 97/3426
<b>Spray applied PU foam into masonry cavity wall</b>	
<b>Average depth:</b>	75mm
<b>U-value:</b>	0.27W/m <sup>2</sup> K
<b>Condensation Risk:</b>	Zero
<b>Ventilation:</b>	Not applicable
<b>Additional Insulation:</b>	None

PU foam is used to restore the structural stability and reduce the thermal transmittance of existing cavity walls, with masonry inner and outer leaves, in which the conventional wall ties have corroded. It is also used in new construction where its superior thermal performance and resistance to flood water is of importance. It has excellent resistance to driving rain and can be installed in all geographical exposure zones. PU foam is also ideal where the need to reduce air leakage is important, the foam seals the cavity, does not shrink or allow air to pass through it. Air leakage through the cavity can be reduced to zero. The product stabilises the wall by adhering to the inner surfaces of the cavity and providing a continuous structural connection between the two leaves. Because of the greater thermal performance and the reduced air leakage, PU foam outperforms all other forms of cavity fill. It is hypoallergenic; contains no fibres, dust or noxious vapours.

## U-value Analysis

Construction details	Thickness (mm)
Concrete ground floor	
Masonry bricks	100
PU foam	75
Lightweight blockwork	100
<b>U-value – 0.27W/m<sup>2</sup>K</b>	

