



WALLTITE®

The airtight insulation solution

CI/SfB | |(27.9) | Yn6 | (M2)|
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Existing pitched roof insulation

Data sheet 2.2

 **BASF**

The Chemical Company

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Description

WALLTITE can be applied directly onto the underside of existing slate or tiled roofs. It seals any air gaps, preventing the ingress of windblown snow, rain, dust and unwanted air infiltration.

The water vapour permeability of WALLTITE permits all roof timbers to dry out following periods of solar radiation.

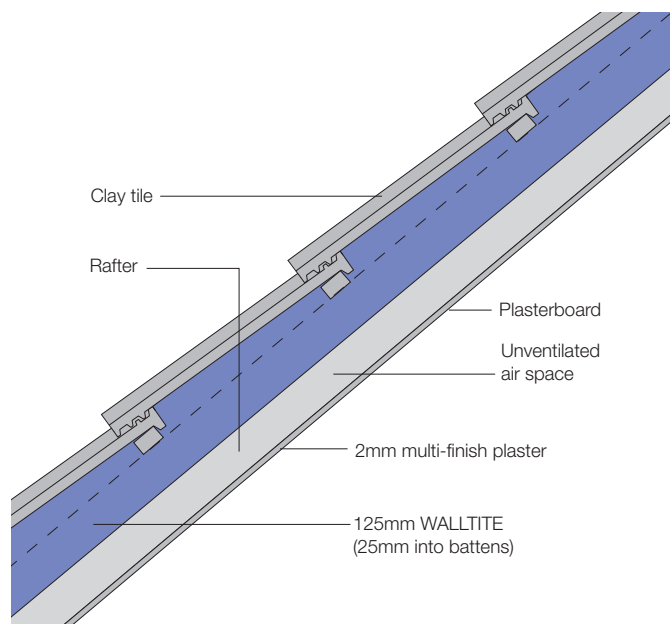
WALLTITE is applied between rafters in sloping ceiling areas and loft conversions. Plasterboard can then be fixed to the rafters.

In applications such as barn conversions the foam is dubbed out with a coat of bonding plaster and then finish plaster. Existing structures must be in a good state of repair with no evidence of rain penetration or damp. Defects should be made good prior to installing the product. WALLTITE also reduces airborne noise pollution from air and road traffic.

Certification

BBA Certificate No. 11/4816.

WALLTITE has undergone various performance tests. Certificates are available on request.



Technical data

Specification:	Spray applied polyurethane foam between battens and rafters, directly onto existing tiles or slates
NBS clause:	P10 15A
Conforms to:	Part L1B (2010) Existing dwelling – new thermal element and upgrading of retained thermal element Pitched roof – insulation at rafter level
Average depth:	150mm to 165mm*
U-value:	0.18W/m ² K
Condensation risk:	Zero
Ventilation:	Unventilated warm deck

* Depending on the number and dimensions of repeating thermal bridges created by the roofing timbers.

U-value calculation

Construction details (hybrid warm pitched roof)	Thickness (mm)
Clay tiles	12
WALLTITE (between battens)	25
WALLTITE (between rafters)	125
Low emissivity cavity	
Plasterboard	12.5
Finish plaster	2
U-value	0.18W/m²K



n55Plus

