



**WALLTITE®**

The airtight insulation solution

# Masonry cavity wall insulation

Data sheet 4.1

 **BASF**

We create chemistry

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## Description

WALLTITE is used to restore the structural stability and reduce the thermal transmittance of existing cavity walls, with masonry inner and outer levels, 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.

WALLTITE 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, therefore air leakage through the cavity can be reduced to zero. WALLTITE stabilises the wall by adhering to the inner surfaces of the cavity and providing a continuous structural connection between the two leaves.

The system can also be used on random stone walls that form uneven cavities.

## Certification

BBA Certificate No. 13/5002.

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



## Typical detail:

### New cavity wall

1. Insulated DPC cavity closer to be well sealed at edges
2. WALLTITE CV100 insulation injected into cavity to achieve target U-value
3. Lightweight blockwork
4. Cavity tray
5. New masonry brick

Habitable space: plasterboard and skim/VCL with taped joints (VCL to be carefully cut and sealed around struts, ceiling joists and penetrations); batten/counter batten rafters as necessary to achieve insulation depth, confirm rafter strength sufficient to receive counter battening and boarding if required.

Loft space only, non habitable: insulated between and over rafters 7to achieve target U-value. WALLTITE may remain exposed.

## Technical data

Specification:	Full fill, closed cell, cavity wall insulation and stabilization system
NBS clauses:	F30, 10 and 150 P11, 50, 220, 230 and 24
Lambda 90/90:	0.026 to 0.028W/mK
Closed cell content	94.4%
Adhesion to brick	231k

## U-values

Thickness of WALLTITE (mm)	U-value (W/m <sup>2</sup> K)
80	0.25
70	0.27
50	0.35

