



WALLTITE[®]

The airtight insulation solution

CI/SfB | | (45) | Yn6 | (M2)
October 2011

Beam and block floor insulation

Data sheet 4.4

 **BASF**

The Chemical Company

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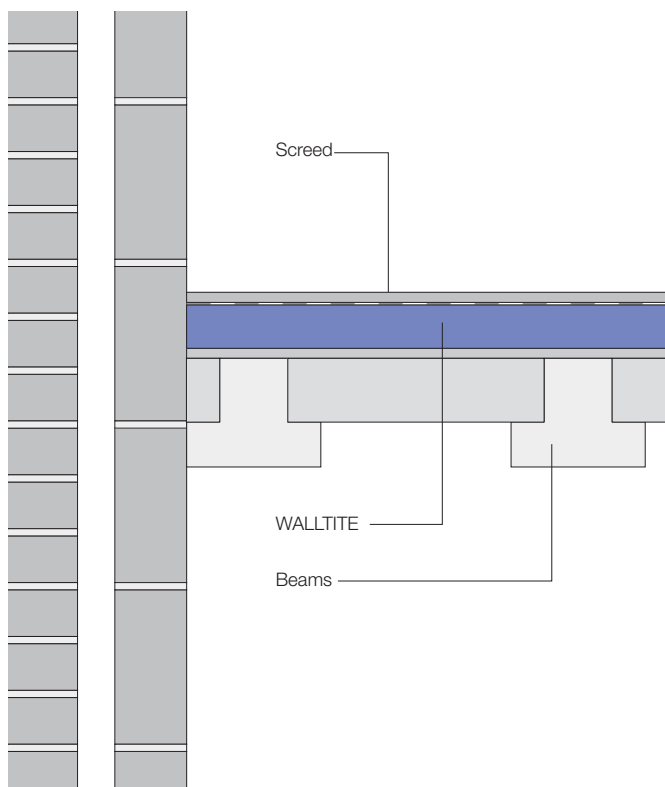
Description

WALLTITE can be applied either above or below a beam and block floor, providing a thermally efficient, airtight solution to floor insulation, without gaps or cold bridges. Walltite will cope with permanent compressive loads without any deformation.

WALLTITE can be used to refurbish beam and block soffits that have become a health and safety hazard. When blocks become friable they can fall off the edge of the ribs of the beams. WALLTITE sprayed onto the underside of the floor can provide a supporting layer for the damaged blocks, insulate the soffit and prevent cold air, that previously would have penetrated the structure, entering the ground floor.

Certification

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



Technical data

Element:	Floor - U-value Element 1
Basement soffit	
Internal surface emissivity:	High
External surface emissivity:	High

U-value calculation

Construction details (beam/block floor)	Thickness (mm)
Outside surface resistance	
Floor screed	50
Bridged floor deck	100
WALLTITE	90
Inside surface resistance	
U-value	0.25W/m²K

U-value, Combined Method : 0.25 W/m²K (upper /lower limit 4.110 / 4.007 m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc0.0000)
(Correction for mechanical fasteners, Delta Uf = 0.000W/m²K)
(Correction for air gaps, Delta Ug = 0.000W/m²K)

