

WonderBUILDS

WonderBuilds Insulation Adhesive

Solvent-Free Insulation Adhesive

7
minutes*
Open-Time

30
minutes*
Cure-Time

Weather-
proof
BOND

100%
Solvent
Free

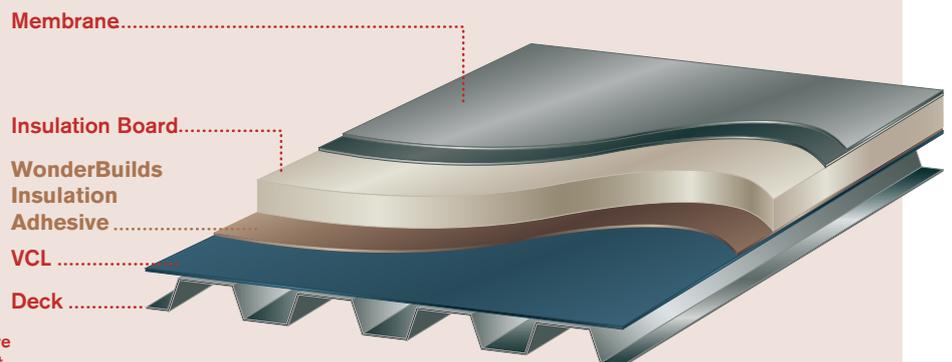
WonderBuilds Insulation Adhesive is part of a range of high-performing insulation adhesives. All products are single-component one-way stick moisture-curing polyurethane (MCPU) adhesives.

*At 20°C

Benefits of Insulation Adhesive:

- Green credentials
- Gives your contractor options
- Minimises project costs
- Protects contractor reputation
- Maximises contractor/
building safety

All diagrams are for illustrative purposes only and are not intended to show a precise image of the product.



WonderBuilds Insulation Adhesive Solvent-Free Insulation Adhesive meets the growing demand for a safe, effective and green solution to securely bonding insulation board to various roof substrates.

Green credentials: it is solvent-free, non-flammable and low-odour

Your contractor is under pressure to meet an increasing number of green initiatives. WonderBuilds Insulation Adhesive enables your contractor to meet these initiatives: it is solvent-free, non-flammable and low-odour. This allows your range of buildings, including schools and hospitals. Insulation WonderBuilds Insulation Adhesive is also more pleasant for your contractor to use than a solvent-based adhesive.

Gives your contractor options: it is compatible for use with a wide range of insulation boards

WonderBuilds Insulation Adhesive is compatible for use with a range of insulation boards, including EPS, XPS and PIR insulation boards (both tissue and foil-faced). It also gives your contractor the option of bonding board straight to deck or vapour control layer (VCL). The versatility of WonderBuilds Insulation Adhesive helps your contractor to reduce on-site storage requirements.

Minimises project costs: it eliminates equipment investment, reduces task time and has an excellent coverage rate

WonderBuilds Insulation Adhesive minimises project costs by reducing task time and eliminating equipment investment. It is simple to apply straight from the tin in beads/ribbons

because it is a single-component MCPU adhesive. WonderBuilds Insulation Adhesive also allows your contractor to move from one task to the other quickly because it will cure rapidly at a wide range of temperatures (5-30°C). Its coverage rate of 30-60m²/6L also makes it extremely economical to use.

Protects contractor reputation: it promotes longevity of the roof

Your contractor knows the importance of laying a long-lasting roof in order to protect his/her reputation. WonderBuilds Insulation Adhesive promotes longevity of the roof because it is chemical and water-resistant. Using WonderBuilds Insulation Adhesive also reduces the need for intrusive and damaging mechanical fixings/fasteners.

Maximises contractor/building safety: it eliminates 'hot works' and is a non-flammable product

Many contractors are turning away from 'hot works' due to concerns over safety and rising insurance costs. WonderBuilds Insulation Adhesive maximises contractor/building safety because it eliminates the need for 'hot works', which also helps to reduce costs. WonderBuilds Insulation Adhesive is also safe to store on site because it is a non-flammable product.

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Guidelines for Use:

1. Ensure the roof deck is dry and free from dust, grease and other contaminants.
2. Apply WonderBuilds Insulation Adhesive directly on to the substrate (deck/VCL) in beads 20mm-30mm wide at 200-300mm centres.
3. Immediately place the insulation board directly on to WonderBuilds Insulation Adhesive.
4. Apply pressure to the insulation board to ensure full contact with WonderBuilds Insulation Adhesive.
5. Allow to cure.

WonderBuilds Insulation Adhesive is supplied in a 6L rectangular tin, which features a spout for simple pouring. The tin is easy to compact to reduce disposal costs.



6L tin

Technical Data

Product	A1365 (100% solids)	Open Time (10°C)	15 minutes
Appearance	Brown	Open Time (20°C)	7 minutes
Application Temperature	5-30°C	Open Time (30°C)	4 minutes
Temperature Resistance	-30-100°C	Coverage	30-60m ² /6L (6.5kg)
Cure Time (10°C)	60 minutes	Viscosity (CPS)	4,000
Cure Time (20°C)	30 minutes	Storage Temperature	5-30°C
Cure Time (30°C)	15 minutes	Environmental	Solvent-free/Non-flammable

IMPORTANT NOTES:

Open time and cure time: All information is provided as a guideline only. Open time and cure time are both dependent on a range of variables: temperature, substrate being bonded, method of application, weight of adhesive applied and relative humidity. WonderBuilds highly recommends that testing is conducted prior to application.

Storage and handling: All WonderBuilds Insulation Adhesive products are moisture-sensitive adhesives, which will eventually gel if left in open contact with air. WonderBuilds takes every care to ensure that our products reach you fit for purpose by protecting each WonderBuilds Insulation Adhesive with a layer of nitrogen prior to despatch. This ensures a storage life of six months, provided that the container is left unopened in a dry condition at a temperature of 5-30°C. The

layer of nitrogen will disappear and the adhesive will have a limited life once the container is opened. It is also important to note that carbon dioxide will be given off if water enters the adhesive container, which can cause pressurisation.

Disclaimer: WonderBuilds has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact WonderBuilds to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.



Adhesives exceed independent standards for resistance to wind uplift!

Adhesives supplied by WonderBuilds significantly exceed requirements for resistance to wind uplift, as given in BS EN 1991-1-4*. Roofing systems constructed with our adhesives were tested at BRE premises and achieved a wind uplift resistance of between -5000Pa and -5500Pa.

From BS EN 1991-1-4, typical wind uplift pressure for flat roofing is -1000Pa for London and -2000Pa for Inverness. This means roofing systems constructed with our adhesives achieved safety factors of 5 and 5.5 for London and 2.5 and 2.75 for Inverness.

WonderBuilds understands that adhesives used on site need to be fit for purpose, which is why the BRE tests were conducted in addition to our regular in-house testing.

Please call/email us if you would like further information on our wind uplift results or our commitment to testing.

*BSI EN 1991-1-4 provides guidance for the structural design of buildings for wind.