JUBIZOL

External Wall Insulation

Installation Overview

JUBIZOL ETICS
Preparation

- Survey the walls and note any issues / remedial works requiring attention.
- Review logistical access and notify JUB of any restrictions.
- Establish the correct system for the substrate.
- All requirements for specifications should be sent to technical@jub.org.uk
- Remove all fixtures and fittings.
- Pre-plan the re-fitting of fixtures. If the use of bespoke satellite brackets are required then contact N2E Bracket Company Email: n2e4ewi@gmail.com

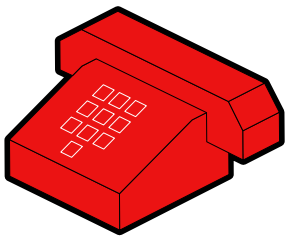
- Remove friable material where required.
- Clean down existing walls and treat with JUB Algicide where required.
- Ensure that all existing window openings will not be compromised.
- All scaffolding to be set the correct distance away to enable application.
- All scaffolding lift heights should be set to enable efficient application.
- All window and doors should be protected.
- All cills and paving should be protected.

- All flues / pipes should be extended by the appropriate skilled engineers.
- All BT communication lines that require moving should be notified to BT Openreach at the following portal: www.openreach.co.uk/externalwallinsulation
- Any visible damp / salt issues should be rectified before the installation starts.

- Check with JUB that the colours required are suitable for the scheme.
- Check with JUB regarding the use of dark colours, their suitability and especially their price as dark tinted renders can cost more.

Notes

- All installations should be in accordance with the JUB issued specifications.
- It is the contractors responsibility to ensure that all health and safety regulations are adhere to whilst carrying out JUB installations.
- All good practice and rendering BS Standards should be followed.
- Contact JUB for any further information or advice.



Contact 0845-688-9866
Out of hours 07872-002495
Email technical@jub.org.uk

JUBIZOL ETICS
Base Rail and Bonding

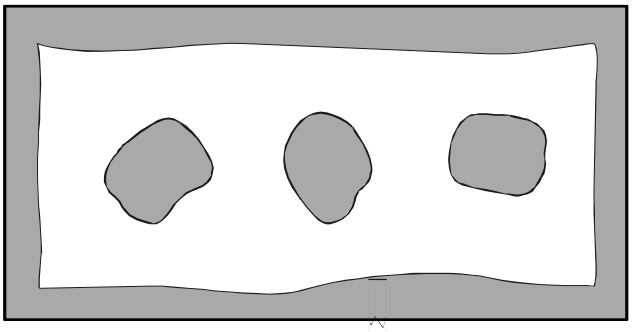
BASE RAILS

- The base rail should sit just above the dpc level or approximately 150mm from the ground level.
- For curved areas use the slotted base rail.
- Separate the base rails with pvc connectors or gaps of 3mm to prevent track over-riding.
- Fix the track at a maximum of 300mm centres.
- For uneven substrates use pvc packers behind the base rail.
- The base rail must be level.
- Powder coated base rails are available where the track is visible.

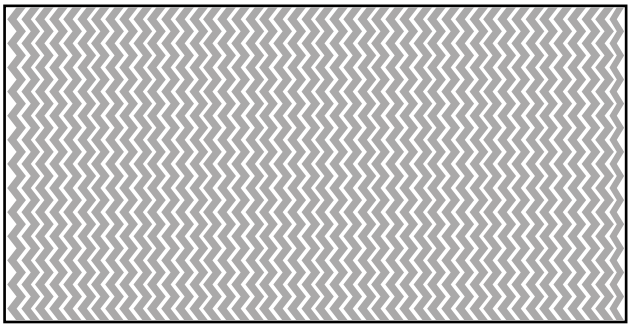
BONDING OF THE INSULATION

- Boarding should only occur in dry conditions and the boards should be protected from direct sunlight and impact damage.

- Apply the JUB adhesive mortar around the outside of the board with either 3 vertical lines or 3 dabs as shown. (10mm thickness - min 40% coverage) alternatively apply a 5mm full bond to the rear of the board.

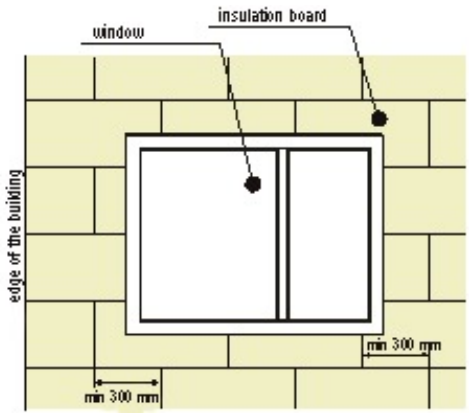


40% coverage option

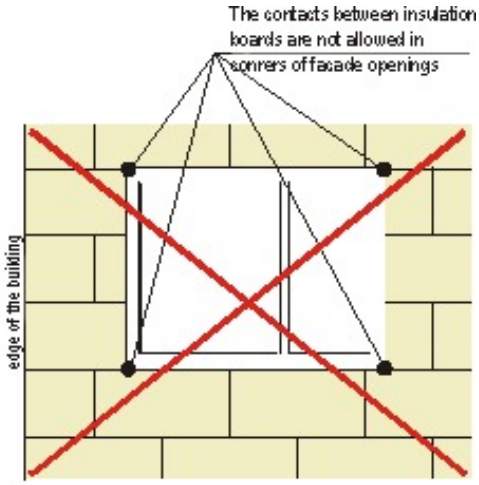


5mm full bond option

- Tightly but each board to avoid gaps, fill all gaps with insulation or PU Foam.
- All boards should be staggered with NO vertical joints.
- Boards MUST be cut to a L shape around window and door openings.



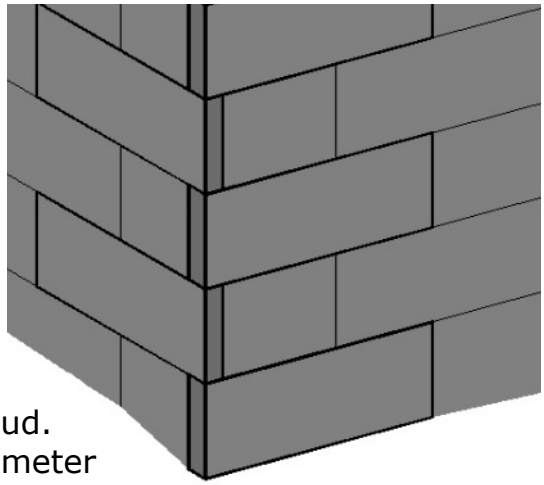
CORRECT



INCORRECT

JUBIZOL ETICS
Boarding & Fixing

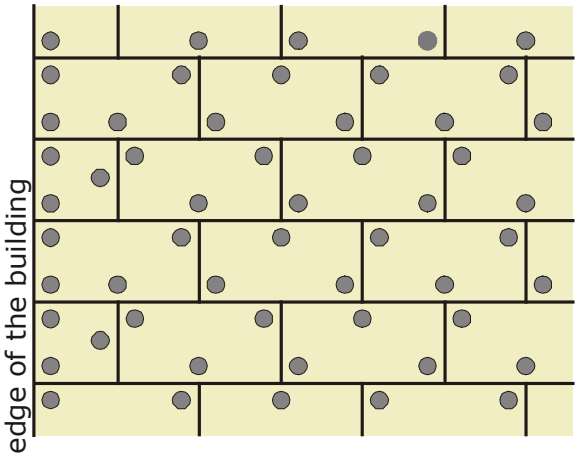
BOARDING



- At all internal / external corners of the building ensure that the insulation boards are interlocked in a 'toothed' pattern.
- Check all levels and where required rasp the boards to provide a good background for the reinforcing mortar.

FIXING

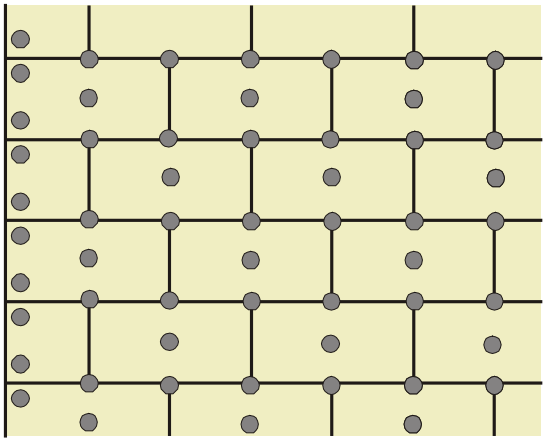
- Check with JUB for the correct fixing.
- Do not compress the fixing or leave it proud.
- Increase the amount of fixings to the perimeter and approximately every 200/300mm around openings.
- Embedment into substrate between 25mm and 65mm dependent upon wall construction and pull out test results.



Expanded Polystyrene Insulation

Fixing Pattern - 6 per m2

1000mm x 500mm boards - indicated



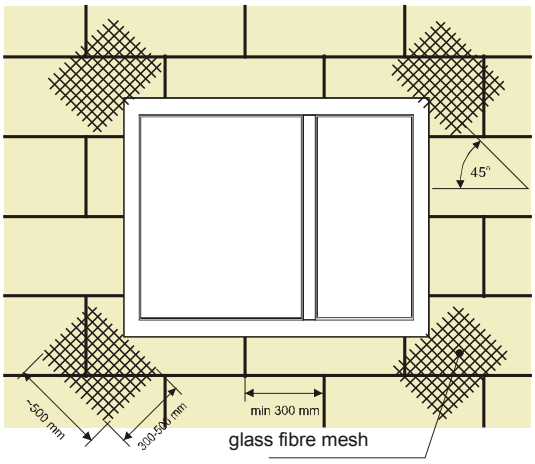
Mineral Wool Insulation

Fixing Pattern - 7m2

1200mm x 600mm boards - indicated

Please refer to the relevant BBA certificates for further information on fixings.

STRESS PATCHES



- At all openings include mesh stress patches - 300/500 x 500mm.
- All patches should be installed at a 45 deg angle.
- Failure to include the stress patches will lead to stress cracking.

- APU frame seals should be installed at this point, before the application of the basecoat render.

REINFORCING BASECOAT

- EPS Application - Apply the JUB basecoat to a thickness of approx 4mm and level out. Trowel in the JUB reinforcing mesh ensuring that the edges of the mesh are overlapped by 100-200mm and that the mesh is flat and level. Continue to apply a further 1-2mm of basecoat over the reinforcing mesh and level out. Do not leave ridges or uneven areas.

- Mineral Wool Application - Apply a skim layer of the JUB basecoat to the whole of the board, ensuring to push this layer into the mineral wool. Then apply a layer 4-5mm of JUB basecoat and level out. Trowel in the JUB reinforcing mesh ensuring that the edges of the mesh are overlapped by 100-200mm and that the mesh is flat andlevel. Continue to apply a further 1-2mm of basecoat over the reinforcing mesh and level out. Do not leave ridges or uneven areas.

  Overall application thickness of the JUB basecoats

  EPS System 4-6mm
  Mineral Wool 6-8mm

  Do not apply the basecoat greater than 8mm

- For dash render and brick render, comb line the basecoat whilst still wet for extra adhesion of the subsequent applications.

- Leave to dry for 1 day per mm applied.

- For textured finishes and the flexible brickslip apply the suitable primer by brush / roller and leave to dry.

TEXTURED FINISHES

- Apply all textured finishes to their grain size and no greater.
- Ensure that a wet edge is kept at all times and extra care and consideration is required at lift levels to prevent dry lift lines.
- Texture with a plastic/steel float in a smooth circular motion, removing any high points.
- Do not drag the grain, leave a uniformed textured finish.

DASH FINISH

- Apply the dash receiver in a single coat to approximately 6mm dependent upon the aggregate size, level out and dash immediately with the washed aggregate.
- Always use 4.5-5 litres of water to mix the receiver.

BRICK RENDER

- Apply the mortar coat to approx 4mm thickness and allow to pick up Between 4-6 hours under normal drying conditions.
- Apply the brick render topcoat to 6mm and allow to dry for 3-8 hours. Before cutting through to the mortar coat, texture the whole surface with a DRY sponge / sponge float. It is critical the the whole surface area is rubbed over as failing to do this will result in light patches in the finish.
- Once completed, brush down the facade to remove all debris.
- Ensure that all the setting out is complete prior to cutting including any header courses.

FLEXIBLE BRICK SLIPS

- Apply the brickslip adhesive with a toothed trowel to a thickness of 2mm.
- Do not apply more than a 1m2 at a time due to the speed of drying.
- Ensure that laser lines/string lines are set.
- Press the brickslip firmly into the adhesive, ensuring that the back of the slip is fully covered.
- All edges must be securely adhered as water will get in behind the slips.
- Run a suitable tool or template between the brickslips to form a neat joint.

WEATHER

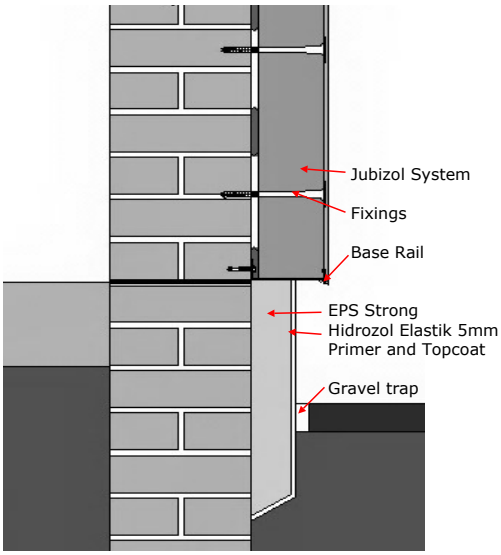
- Do not apply below 3 deg C on a rising thermometer or a 5 deg C on a falling thermometer.
- Do not apply where the surface temperature is above 30 deg C.
- Levels of high humidity, above 85% will cause a delay in the drying process.
- Protect all coating from excessive air moisture and rain/frost/snow.
- For winter working with textured coatings it is recommended that the Unixil Winter Topcoat is applied. The Winter Topcoat can be applied from 1 deg C to 15 deg C and up to 95% relative humidity.

JUBIZOL ETICS

Plinth / Trims / Reveals

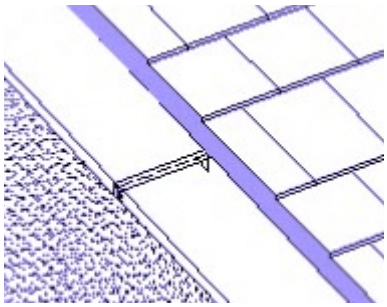
PLINTH INSULATION

- Where required, use JUB Strong EPS to the plinth area and into the ground.
- Apply Hidrozol Elastik / Superflex to a max of 5mm.
- Finish with the JUB Topcoat or specified paint.
- Incorporate a 150mm gravel trap around the base of the plinth.

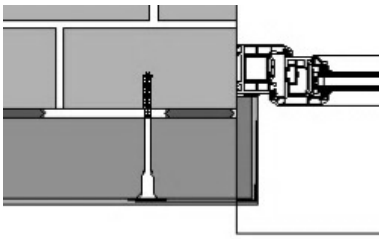


TRIMS

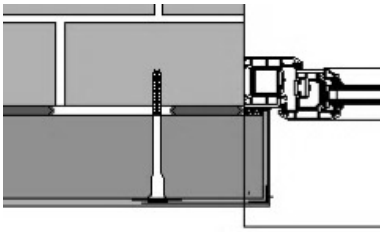
- Ensure that all cills and trims have a minimum overhang of 30mm.
- There should be no open joints between trims.
- There should not be any horizontal rendered surfaces. If there are no other options then a minimum chamfer of 15 degrees is required.
- For parapets the chamfer should be inwards.
- Ideally this area should be treated with a suitable JUB Hidrozol product.



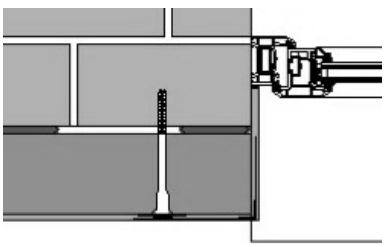
REVEALS



Where the frame is large enough, return a 20mm insulation board up to the frame and render.



If the frame is set in line with the substrate Over-sail onto the edge of the frame and render the return.



If the frame does not have enough room to return an insulation board then this area will have to be render only return. This will require a double layer of mesh a will also be a cold bridge area.

JUB

OSCAR®

On Site Competency Assessment Report

www.nw-training.co.uk

To find more information:

Call NW Training : 01942 233669

Email: nwtraining@hotmail.co.uk