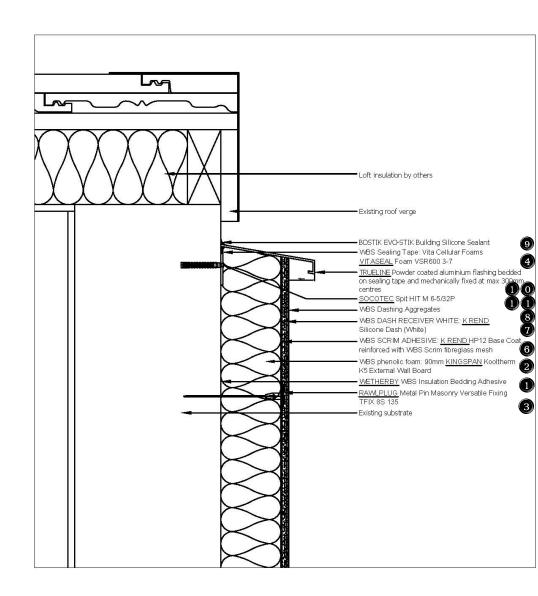
Typical Detail – Solid Wall External Insulation – Verge Fixing



Notes:

TWEFIERBY WRS Insulation Badding Adhesive: Polymer modified. Manufactured to ISO 9001. Material base: Polymer modified, Portland cement binder system containing limestone aggregate and specially selected fillers. Mixed Density: 1600-1750 Kg/m3, Compressive Strength: Class CS IV as texted to EN 998-1. Flexural Strength: >20 N/mm-2, Adhesion Strength: >20 S N/mm-2 (litimate strength tested on concrete) >0.06 N/mm-2 (when tested on EPS panel), Coverage, Approx 2.1 - 2.3Kg per mm thick per m2. Gauging Water. 4.5 - 5.5 litres of clean water per 25 kg sack. Working Temperature: 50C - 30C. Application: Place gauging water in a clean mixing vessel. Add powder and mix with a suitable paddle attached to an electric drill until a lump-free consistency is achieved. Leave to stand for 3 mixutes and the must buster coat of the Insulation Bedding Adhesive over substrate which the insulation is to be fixed, ensuring all void areas are filled. Apply by hawk and trovel to relt mer in a continuous line around the perimeter and additional dabs in the centre; at least 50% of the board should be covered. Altern attively apply with an otched trowel over the entire face of the board. Press the boards firmly onto the masory substrate. WRS Insulation Bedding Adhesive must be used within its working temperature range. It must not be used in freezing conditions are expected within 24 hours of application, it is important to pretex the applied area. In dry conditions, suction control of the board press. Conditions are expected within 24 hours of application, it is important to pretex the applied area. In dry conditions, suction control of the board press. Conditions are expected within 24 hours of application, it is important to pretex the applied area. In dry conditions, suction control of the board press conditions are expected within 24 hours of application, it is important to pretex the applied area. In dry conditions, suction control of the board press conditions are expected within 24 hours of application, it is important to p

2. WBS phenolic foam: KINGSPAN Kooltherm K5 External Wall Board, Standard: ISO 9001: 2015 (Quality Management Systems: Requirements), ISO 14001: 2015 (Environmental Management Systems: Requirements) SS OHSAS 18001: 2007 (Occupational Health and Safety Management Systems: Requirements) uses of the system is requirements with guidance for use), Fire performance: Euroclass RIF C-s1, d0, Thermatic aconductivity (maintum): Dependent upon thickness specified, 0.22 W/m K, Cross Section: Uniform thickness: 90 mm, Face Size (length x width) 1200 x 600 mm, Compressive strength (minimum) at 10% compression: 100 KPa, Edges: Squeer, Facing: Class tissue based facing, Global warming potential: Less than 5, Green guide rating: A+, Ozone depletion potential: Zero, Core: Premium performance: Finders.

3. Proprietary external wall insulation fixings RAWLPLUG Metal Pin Masomry Versatile Fixing TEX 85 135 Anchor body material: Polypropylene, Pin material: Galvanised steal Screw set. Long plastic overmoulding to minimise thermal bridging (value 0.002VWA), Plate stiffness 0.6 kN/mm, Pre-assembled screw, high load-bearing capacities. Minimum installation depth: 25mm, Hole depth in substrate: 40 mm, Dnil hole diameter: 8 mm, Plate diameter: 60mm, Minimum pacing: 100mm, Minimum edge distance: 100mm, ETA Certificate Number: ETA-11/0144 ETA Classification: A - B - C. Typical pull out into solid brick/concrete block: 1.20 kN, recommended load: 0.43kN, Length: 135mm, Oty per box; 200.

4. WBS sealing tape: Vta Cellular Foams VtTASEAL Foam VSR600 3-7: dry pre-formed strip seal with viscoelastic properties, combination of resilient foam and a water resisting formed strip seal to resist weather ingress in fenestration, noise and vibration damping and with flame retardant properties. Open cell polyurethane foam heavily impregnated with arrylics creating under high compression. For increased ariming condition and fully resistant to UV. Tested to DIN 52. Supplied in rolls pre-compressed to approximately 85%. Material: Polyurethane cellular foam, impregnated with flame retardant acrylic resin, Classification: Class 1 to NF P65-570, BS1 to DIN 18642, Fire resistance: B1, self-extinguishing, Watertight against driving rain DIN5/253: 600 Pa minimum, Vapour resistivity DIN 18542, m < 10, Tesnel steraph ISO 1798 >170 kPa, Elongation at breaking ISO 1798 >250%, Compability: no corrosion with inon, steel, zinc coated sheet, aluminium or cooper, PVC, glazing, concrete, bles.

Fix insulation boards as per Manufacturer's recommendation. Fit tightly board edges together to achieve U-value of 0.19 W/m²K.

5. WBS Scrim fibreglass mesh: ADFORDS reinforcing fabric made from continuous filament yarn in an open mesh construction. The laid scrim manufacturing process chemically bonds non-woren yarns together, enhancing the scrim with unique characteristics. Fibers used Fiberglass Features: Dimensional stability, Tensile strengh, Alkali resistance, Tear resistance, Tear resistance, Anti-microbial properties, Water resistance. With . 38 to 5300 mm, Roll length: Up to 120 000 lm, Yams: Glass, Construction: Square, tri-& quad-directional, Patterns: From 0.4 yams/cm to 4 yams/cm (1 yam/n to 18 yams/in), Tensile strength range: From 35.5 to 588 N/5 cm in each direction, Bonding: PVOH, Complexes for combination materials: scrim bonded to: glass non-woren.

6. WBS SCRIM ADHESIVE: K REND HP12 Base Coat with High Polymer technology, for stipple coat, scut do and r for dense backgrounds with increased water resistance and adhesion. Incorporation of Alkali Resistant Reinforcing Mesh may be required. Polymer modified and cement based. Applied in 1 coat as a backing for K Rend finishes. Coverage: 1 Skg /mm thick / sq m, Require 8-11 kg/sq m approx. of norminal 4-8mm thickness, Kitemark Classifications. Compressive strength: CS IV, Capillary Water Absorption Category. W2, Thermal Conductivity: P=50% - 0.61. Application: Mixfor at least 5 minutes to break down additives, Add 5-6 litres of clean water per 25kg sack, Apply by hawk and trovel. If the next coatis to be a K Rend finish from a light key by scratching as a per good ender practice;

7. WBS DASH RECEIVER WHITE: K REND Silicone Dash (White) CE marked to BS EN 996:1 and manufactured in accordance with a quality system approved to BS EN ISO 9011:2016 by Bit registration number FM 8534 is specifically designed to incorporate the benefits of silicone water repellent into a cerement based render system. Silicone adds a high water repellent quality, while allowing water vapour to pass freely through the render; thus the amount of diff adhering to the surface is greatly reduced, ensuring a freshly rendered appearance for a prolonged period of time. This dry surface also improves the resistance of the finished render to algae growth and the natural phenomenon of lime-bloom. Coverage: 15kg per mater Required: 10: 15 Kg per m2 approx Naminal 6: 10 mm thickness Water Required 5: 6 L/ bag. APPLICATION Add appropriate quantity of clean water per 25kg sack. Mix thoroughly for at least 10 minutes to break down additives. Apply a buter cost of render to a uniform thickness, depending on the aggregate size. While the render is still plastic, throw washed aggregate onto the surface to great uniform dense coverage. Immediately tham the aggregate particles ignity into the burdter cost with a wood float and ensure a good bond is obtained. PACKAGING & STORAGE K Rend renders are usually packed 40 sacks per tonne. All render sacks must be protocided on site.

8. WBS Dashing Aggregates DERBYSHIRE AGGREGATES Natural aggregates, crushed rock including granite, dolerite, limestone, basat, sandstone, slate, felsites, quartzite's and marbles. Natural cobbles, boulders and rockery stone of the above types.

Apply render in coats: base coat and finish coat, dub out in thickness if necessary. To finish roughcast cast with an even thickness and texture. Apply firmly and in one continuous operation between angles and joints.

9. SEALANT: BOSTIK EVO-STIK Building Silicone Sealant is a one part, low modulus, neutral cure sealant. For use in property designed exterior high movement joints, especially around door and window frames. Non corrosive towards metal. Suitable for all types of frames including aluminum, hardwood and P/Cu. Good adhesion to glass, painted wood, carmic, enamel and stainless steel and many plastics. Sizes C20 carhidge. Coverage Approx. 10m of a 6mm bead per carhidge. Colours: White, Clear, Black, Birown & Grey Form Soft gunnable past Specific Gravity 1.00 g/ml Shore (A) hardwest 15 Composition Neutral cure silicone. 100% modulus 0.301/mm2 Application rate 300g/min using a 3mm diameter bead and 6.3 bar. Thema: Conductivity 0.305 mW/Mk, Fire Raing, Fire Clears B1 according to DIN 4102-1 between solid metal or mineralic materitik. Fire realistrance class El 160-V-XF-W 10-60° as per classification report 32.70-052-2 acct. to DIN EN 13664-4 in combination with DIN 13501-2. Certified by MMPA Leipzig. GmbH Application Temperature 67° to 440°C Coverage Approx. 10 linear metres of form diameter bead per 202 cartidge Drying Times Stink Formations. The solid seal on minutes 41:23°-055% RH dependent on temperature and humidity. Always tool sealant within 9 minutes

10. TRIMS.

TRUELINE Trims & flashings MATERIAL - 1.2mm gauge aluminium LENGTH - 2.5m lengths FINISH - Pre-coated RAL 9010 (white). Products: TEP 721 - 100mm Top trim, Girth 158, TEP 731 - 100mm Under sill, Girth 218, TEP 741 - 100mm Verge trim, Girth 193.

11. Proprietary Tixing SOCOTEC Spit HIT M 6-5/32P Hammer Screw Anchor, Zinc Plated FR 15 (5mm), Polyamide 6 plastic expansion anchor. Embedment depth: 25mm, Maximum thickness of part to be fixed in concrete/blrick: 5mm, Minimum thickness of base material: 65mm, Drilling digpth in base material: 35mm, Drilling digpth forward the part to be fixed: 40mm, Drilling diameter. 6mm, Cylinder head diameter. 11mm, Total anchor length: 32mm, type of nail. P22, Code zinc coaded steel nail: 050118. Utimate loads for concrete blocks or clay birks: 155-26 kN. Recommended loads: 0.31-0.52 kN. Minimum distance between anchors: 25mm, Minimum distance from edges: 45mm. Applications: Trims and beads for EW.

Fix beads and trims at all joints, junctions and perimeters, straight and with a constant projection.