# STO DRAWING REGISTER

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### STO DRAWING REGISTER

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- StoTherm Insulated Facade System External Corner Brick Veneer/StoTherm - ST 810
- StoTherm Insulated Facade System Internal Corner Brick Veneer/StoTherm - Opt 1 - ST 811
- StoTherm Insulated Facade System Internal Corner Brick Veneer/StoTherm - Opt 2 - ST 812
- StoTherm Insulated Facade System Vertical Junction Brick Veneer/StoTherm - ST 813
- StoTherm Insulated Facade System Horizontal Junction Brick Veneer/StoTherm - ST 814

**Fibre Cement Sheet Series 820**
- StoTherm Insulated Facade System External Corner FC Sheet/StoTherm - ST 820
- StoTherm Insulated Facade System Internal Corner FC Sheet/StoTherm - Opt 1 - ST 821
- StoTherm Insulated Facade System Internal Corner FC Sheet/StoTherm - Opt 2 - ST 822
- StoTherm Insulated Facade System FC Sheet - Framed Sub Floor Cladding - ST 823
- StoTherm Insulated Facade System FC Sheet Gable End - ST 824

**Concrete Block Series 830**
- StoTherm Insulated Facade System External Corner Concrete Block/StoTherm - ST 830
- StoTherm Insulated Facade System Internal Corner Concrete Block/StoTherm - ST 831
- StoTherm Insulated Facade System Vertical Joint Concrete Block/StoTherm - ST 832
- StoTherm Insulated Facade System Horizontal Junction Concrete Block/StoTherm - ST 833

**Manufactured Stone - Schist & Natural Stone Series 840**
- StoTherm Insulated Facade System Ext.Cnr Manuf.Stone/StoTherm - Opt 1 - ST 840
- StoTherm Insulated Facade System Ext.Cnr Manuf.Stone/StoTherm - Opt 2 - ST 841
- StoTherm Insulated Facade System Boxed Ext.Cnr Stone Veneer/StoTherm - ST 842
- StoTherm Insulated Facade System Internal Cnr. Manuf.Stone/StoTherm - ST 844
- StoTherm Insulated Facade System Internal Cnr. Schist or Stone Veneer/StoTherm - ST 845
- StoTherm Insulated Facade System Vertical Junction Manuf.Stone/StoTherm - ST 846
- StoTherm Insulated Facade System Vertical Junction Schist or Stone Veneer/StoTherm - ST 847
- StoTherm Insulated Facade System Horiz.Junction Manuf.Stone/StoTherm - ST 848
- StoTherm Insulated Facade System Horiz.Junction Schist or Stone Veneer/StoTherm - ST 849

**Profile Metal Series 850**
- StoTherm Insulated Facade System Ext.Cnr Horiz.Profiled Metal/StoTherm - ST 850
- StoTherm Insulated Facade System Int.Cnr Horiz.Profiled Metal/StoTherm - ST 851
- StoTherm Insulated Facade System Vertical Junction Horiz.Profiled Metal/StoTherm - ST 852
- StoTherm Insulated Facade System Horizontal Junction Horiz.Profiled Metal/StoTherm - ST 853
- StoTherm Insulated Facade System External Corner Vertical Profiled Metal/StoTherm - ST 854
- StoTherm Insulated Facade System Internal Corner Vertical Profiled Metal/StoTherm - ST 855
- StoTherm Insulated Facade System Horiz.Junction Vertical Profiled Metal/StoTherm - ST 856

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STO DRAWING REGISTER

Continuation Dissimilar Material

StoTherm Panel EIFS Series 860
- StoTherm Insulated Facade System Ext.Cnr StoPoren/StoTherm
- StoTherm Insulated Facade System Int.Cnr StoPoren/StoTherm
- StoTherm Insulated Facade System Vertical Joint 50mm StoPoren/StoTherm
- StoTherm Insulated Facade System Vertical Joint 80mm StoPoren/StoTherm
- StoTherm Insulated Facade System Inter-Storey Junction StoPoren/StoTherm
- StoTherm Insulated Facade System Inter-Storey Third Storey Drained Inter-storey Junction

DISSIMILAR JOINERY Series 870

TIMBER JOINERY
- StoTherm Insulated Facade System Timber Window Joinery - Head Detail
- StoTherm Insulated Facade System Timber Window Joinery - Sill Detail
- StoTherm Insulated Facade System Timber Window Joinery - Jamb Detail
- StoTherm Insulated Facade System Timber Door Joinery - Timber Floor/Threshold Detail
- StoTherm Insulated Facade System Timber Door Joinery - Concrete Floor/Threshold Detail

NK PVCu JOINERY
- StoTherm Insulated Facade System NK PVCu - Head Detail
- StoTherm Insulated Facade System NK PVCu - Sill Detail
- StoTherm Insulated Facade System NK PVCu - Jamb Detail

FLASHMAN JOINERY FLASHING SYSTEM
- StoTherm Insulated Facade System Flashman Head Flashing
- StoTherm Insulated Facade System Flashman Sill Flashing
- StoTherm Insulated Facade System Flashman Jamb Flashing

HOMERIT PVC JOINERY
- StoTherm Insulated Facade System Homerit PVC Joinery - Head Detail
- StoTherm Insulated Facade System Homerit PVC Joinery - Sill Detail
- StoTherm Insulated Facade System Homerit PVC Joinery - Jamb Detail

Rusticated Weatherboard Series 890
- StoTherm Insulated Facade System Ext.Cnr Rusticated Weatherboard/StoTherm - Opt 1
- StoTherm Insulated Facade System Ext.Cnr Rusticated Weatherboard/StoTherm - Opt 2
- StoTherm Insulated Facade System Int.Cnr Rusticated Weatherboard/StoTherm - Opt 1
- StoTherm Insulated Facade System Int.Cnr Rusticated Weatherboard/StoTherm - Opt 2
- StoTherm Insulated Facade System Vertical Joint Rusticated Weatherboard/StoTherm - Opt 1
- StoTherm Insulated Facade System Vertical Joint Rusticated Weatherboard/StoTherm - Opt 2
- StoTherm Insulated Facade System Horizontal Junction Rusticated Weatherboard/StoTherm
- StoTherm Insulated Facade System Gable End Rusticated Weatherboard/StoTherm

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STOTHERM INSULATED FACADE SYSTEM

SS105 STOTHERM STOMIRAL RENDER SYSTEM BRANZ APPRAISAL CERTIFICATE NO. 478
INCORPORATING:
1. STOLEVELL NOVO, STOLEVELL UNI or MULTISCREED 25kg BAG EUROPEAN FIBRE REINFORCED CEMENT BASED RENDER USED WITH EUROPEAN MESH AS A REINFORCING BASECOAT RENDER.
2. STOPLEX W SEALER - 10lt CONTAINER EUROPANACYLIC/SILANE PRIMER TO SEAL MINERAL SURFACES
3. STOTILIT K COLOURED - 25kg PAIL EUROPEAN FIBRE REINFORCED NON CEMENT COLOURED FINISHING RENDER AVAILABLE IN 1.0/1.5/2.0/3.0mm Sized Texture in a Pail
4. STOCOLOR:
   : MAXICRYL MATT FACADE PAINT 15lt PAIL
   : LASTIC SATIN FACADE PAINT 15lt PAIL
   : LOTUSAN MINERAL RESIN PAINT 15lt PAIL

SS106 STOTHERM STOARMAT RENDER SYSTEM BRANZ APPRAISAL CERTIFICATE NO. 478
INCORPORATING:
1. STOLEVELL NOVO, STOLEVELL UNI or MULTISCREED 25kg BAG BASECOAT RENDER TO STRAIGHTEN AND PROVIDE A SOLID THICKER BASECOAT
2. STOARMAT CLASSIC RENDER 23kg PAIL EUROPEAN FIBRE REINFORCED NON CEMENT BASED CRACKED RESISTANT RENDER USED WITH EUROPEAN MESH AS A REINFORCEMENT RENDER
3. STOTILIT K or MP COLOURED RENDER 25kg PAIL EUROPEAN FIBRE REINFORCED NON CEMENT COLOURED FINISHING RENDER AVAILABLE IN 1.0/1.5/2.0/3.0mm Sized Texture and MP or MP NATURAL SPONGE FINISHED RENDER
4. STOCOLOR:
   : MAXICRYL MATT FACADE PAINT 15lt PAIL
   : LASTIC SATIN FACADE PAINT 15lt PAIL
   : LOTUSAN MINERAL RESIN PAINT 15lt PAIL

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NOTE:
1. PROPRIETARY ALUMINUM HEAD FLASHING AND STO uPVC SILL & JAMB FLASHINGS ARE REQUIRED
2. MS SEALANT APPLIED TO JAMBS & WINDOW SILL TO CLADDING JUNCTION

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
REINFORCING MESH APPLICATION

ST 007
2017

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STOTHERM PANELS

H GRADE WHITE SELF EXTINGUISHING POLYSTYRENE MANUFACTURED TO COMPLY WITH AS1366.3

SIZES - STANDARD PANEL 2700 x 1200mm

THICKNESS AND R VALUE NZS4214 REQUIRES A 45% REDUCTION OF R VALUE ON A CAVITY

- cavity + 50mm - RV 0.76
- cavity + 60mm - RV 0.91
- cavity + 80mm - RV 1.22
- cavity + 100mm - RV 1.52

STOTHERM+ PANELS

GREY GRAPHITE INFUSED SELF EXTINGUISHING POLYSTYRENE COMPLYING WITH AS1366

SIZES - STANDARD PANEL 2700 x 1200mm

- cavity + 40mm - RV 0.72
- cavity + 60mm - RV 1.06
- cavity + 80mm - RV 1.41

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TIMBER FRAMING TO NZS 3604

WALL UNDERLAY MEETING REQUIREMENTS E2/AS1

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM ARMAT CLASSIC RENDER SYSTEM - SS106

INSULATION: SELF-EXTINGUISHING POLYSTYRENE SHEET

BASECOAT: STOLEVELL NOVO, STOLEVELL UNI or MULTI SCREED 4-5mm

REINFORCEMENT: STOARMAT PLUS STO MESH

FINISHING RENDER: STOLIT K & MP RANGE

SELECTED COATING:
- STOCOLOR
- MAXICRYL MATT FACADE PAINT
- LASTIC SATIN PAINT
- LOTUSAN MINERAL RESIN

CONCRETE FOUNDATION AS PER NZS3604 OR SPECIFIC ENGINEERING REQUIREMENTS

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

SS106 STOTHERM STOARMAT RENDER SYSTEM

ST 100

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TIMBER FRAMING TO NZS 3604
WALL UNDERLAY MEETING REQUIREMENTS E2/AS1
STOTHERM 20mm VH CAVITY BATTENS
STOTHERM STOMIRAL RENDER SYSTEM - SS105
SELECTED STOTHERM PANEL
BASECOAT: STOLEVELL NOVO, STOLEVELL UNI or MULTISCREED PLUS: STO EUROPEAN MESH SEALED WITH STOPLEX W PRIMER
FINISHING RENDER: STOLIT K & MP RANGE
COATING/STOCOLOR: MAXICRYL MATT FACADE PAINT : LASTIC SATIN PAINT : LOTUSAN MINERAL RESIN PAINT
CONCRETE FOUNDATION AS PER NZS3604 OR SPECIFIC ENGINEERING REQUIREMENTS
STOTHERM 20mm VH CAVITY BATTENS
STO uPVC ADJUSTABLE FOOT TRAY - incl.base/extension/base

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NOTE: SHEET JOINTS AROUND OPENINGS ARE GLUED or FOAM FUSED FOR STABILITY

STOTHERM 20mm VH FIXED OVER FRAME & BUILDING UNDERLAY

NOTE: CAVITY SYSTEM IS A VENTED DRAINAGE SYSTEM. FIX STO uPVC FOOT TRAY BEFORE BATTENS.

FIXINGS IN WIND ZONES

LOW, MEDIUM & HIGH
Studs 300mm fixing ctrs top & bottom plates and dwangs. One fixing between studs

VERY HIGH
Studs, plates and dwangs 200mm fixing ctrs

EXTRA HIGH
Studs, plates and dwangs 150mm fixing ctrs

WHERE STUD SPACINGS ARE GREATER THAN 450mm
CTRS FIX ADDITIONAL INTERMEDIATE BATTEN TO PREVENT INSULATION ENCROACHING INTO CAVITY SPACE

NO INTER-STOREY JOINT REQUIRED AT 2nd LEVEL

VERTICAL CONTROL JOINTS REQUIRED FOR WALLS OVER 20 METERS

STOTHERM INSULATED FACADE SYSTEM
EPS SHEET & FIXING LAYOUT - TYPICAL (Elevation)

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STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

STOTHERM PANEL LAYOUT

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STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

FOUNDATION SLAB-ON-GROUND

ST 200

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STOTHERM INSULATED FACADE SYSTEM
REBATED SLAB-ON-GROUND - RENDERED FINISH

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CONCRETE FOOTING AS PER NZS 3604 OR ENGINEER SPECIFIC DESIGN

NOTE:
SHELL OF BLOCK CAN SUPPORT BOTTOM PLATE WHEN SLAB IS TIED TO FOUNDATION

CONCRETE SLAB/REINFORCING AS PER NZS 3604 OR ENGINEER SPECIFIC DESIGN

INSULATION AS PER NZBC - Class NT

DPM

GL

STOTHERM PANEL
STOTHERM RENDER SYSTEM
CAVITY SPACERS TO SUIT FIXINGS STOTHERM PANEL FIXING
STO uPVC VENTED BASE CAP
WALL UNDERLAY
STOTHERM 20mm VH CAVITY BATTENS

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CONCRETE FOOTING AS PER NZS 3604 OR ENGINEER SPECIFIC DESIGN

DPM REQUIRED ON FOUNDATION FOR POORLY DRAINED SITES OTHERWISE TERMINE AT BOTTOM EXTERNAL CORNER OF FOUNDATION

NOTE:
INSTALL STOFLEXYL UNDER DPM AT TRANSITION IF REQUIRED FOR POORLY DRAINED SITES.

STOTHERM INSULATED FACADE SYSTEM
EPS BLOCK FOUNDATION DETAIL

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1. CONCRETE SLAB/REINFORCING AS PER NZS 3604, SPECIFIC DESIGN OR ENGINEER (SED)
   Reinforcing not shown for clarity
2. WHERE INSULATION IS BELOW GROUND, APPLY TWO (2) COATS OF STOFLEXYL TO MAXRAFT INSULATION BEFORE COMMENCING
3. 150mm MIN. CLEARANCE FROM SLAB LEVEL TO EXTERIOR PAVING,
   225mm MIN. CLEARANCE FROM SLAB LEVEL TO UNPAVED GROUND TO E2/AS1
4. AS REQUIRED, SECURE THE DPM TO THE MAXRAFT EDGE INSULATION USING AN EIFS FLASHING TAPE 50mm ON MAXRAFT AND 100MM ONTO UNDERSLAB DPM

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STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

TIMBER PILE/SUBFLOOR VENTILATION (Parallel Wall)

ST 209

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Timber Pile/Subfloor Ventilation (Right Angled Wall)

- **100mm Drape to Double-Sided Perforated Foil Insulation R = 0.9** - Refer NZBC - Clause H1
- **STOTHERM Panel Fixing**
- **WALL UNDERLAY**
- **STOTHERM 20mm VH Cavity BATTENS**
- **STOTHERM Panel**
- **STOTHERM Render System**
- **STOTHERM Panel Fixing**
- **MIN. H1.2 TREATED FLOOR JOISTS**
- **TRIMMER JOIST**
- **STO uPVC Vented Adjustable Foot Tray**
- **STOTHERM Panel Fixing**
- **H5 TREATED PILE - REFER NZS 3604 FOR TIMBER & PILE SET OUT**
- **H4 TREATED BASEBOARDS WITH 20mm CONTINUOUS SUB FLOOR VENTILATION GAP BETWEEN**

**NOTE:** For clearance between cladding and adjacent ground - Refer NZS3604

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

TIMBER PILE/SUBFLOOR VENTILATION (Right Angled Wall)

ST 210

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STOTHERM PANEL FIXING

WALL UNDERLAY

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM PANEL

STOTHERM RENDER SYSTEM

STOTHERM PANEL FIXING

OVERHANG TRIMMER JOIST TO ALLOW CLADDING TO LAP SUBFLOOR CLADDING

STO uPVC VENTED ADJUSTABLE FOOT TRAY

100mm DRAPE TO DOUBLE-SIDED PERFORATED FOIL INSULATION R = 0.9 - REFER NZBC - Clause H1

JACK FRAMING IN AS PER NZS3604 6.10.2

PROVIDE SHEET BRACING MATERIAL and VENTILATION AS PER NZS 3604

NOTE:
FOR CLEARANCE BETWEEN CLADDING AND ADJACENT GROUND - REFER NZS3604

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

TIMBER SUBFLOOR WITH JACK STUDS

ST 211 2017

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STOTHERM INSULATED FACADE SYSTEM
MASONRY CONC.BLOCK IN-GROUND WALL

SLAB-ON-GROUND FLOOR & CONC.MASONRY WALLS AS PER NZS 4210/4229/4230 & AND ENGINEERS DRAWINGS

ALLOW ADEQUATE TIME FOR BLOCK TO DRY/STABILISE BEFORE PLASTERING NORMALLY FROM 4-8 WEEKS IN AVERAGE DRYING CONDITIONS.

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STOTHERM 20mm VH CAVITY BATTENS
STOTHERM PANEL
STOTHERM RENDER SYSTEM
STOTHERM PANEL FIXING
STO uPVC VENTED BASE CAP

NOTE:
CUT SLOPE AT 15° OR CUT REBATE AND PLASTER 15° SLOPE IN.
STOFLEXYL WATERPROOFING TO CONCRETE REBATE SURFACES AND RENDER INTO REBATE
STOARMAT RENDER SYSTEM

REINFORCED CONCRETE BLOCK WALLS IN ACCORDANCE WITH NZS 4230, 4229, 4218 & 4210

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NOTE: USE FULL PANELS WHERE POSSIBLE.
ALL PANEL CUTS SHALL BE CAREFULLY MADE TO ACHIEVE A TIGHT BUTT FIT.
ALL PANEL JOINTS MUST BE FLUSH FILLED WITH STO FOAM TAKING CARE NOT TO FILL THE CAVITY.
MECHANICALLY FIX ALL PANELS WITH STOTHERM FIXINGS AT MAXIMUM 300mm CENTRES.
PANELS TO BE SUPPORTED BY MINIMUM TWO STUDS OR BLOCKING.
VERTICAL CONTROL JOINTS ARE REQUIRED ON WALLS OVER 20 METRES LONG, SEE STO DETAILS.
HORIZONTAL CONTROL JOINTS AT INTERSTOREY JUNCTION IF UNSEASONED JOISTS USED.
HORIZONTAL DRAINED JUNCTION REQUIRED AT THIRD STOREY OR 7 METERS INCLUDING GABLES.

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TIMBER FRAMING TO NZS 3604 REQUIREMENTS

WALL UNDERLAY/ RAB AS SPECIFIED - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT

STOTHERM PANEL

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM RENDER SYSTEM

FLUSH FILL WITH ADHESIVE FOAM TAKING CARE NOT TO FILL CAVITY

STOTHERM PANEL FIXING

STOTHERM PANEL

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TIMBER FRAMING TO NZS 3604

WALL UNDERLAY/RAB CONTINUOUS AROUND CORNERS

STO PREMESHED CORNER ANGLE

FLUSH FILL WITH ADHESIVE FOAM TAKING CARE NOT TO FILL CAVITY

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM PANEL FIXING

STOTHERM PANEL

STOTHERM RENDER SYSTEM

STOTHERM INSULATED FACADE SYSTEM

EXTERNAL CORNER

ST 303 2017

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NOTE:
ENSURE STOTHERM PANELS ARE SUPPORTED BY A MIN. OF 2/STUDS. VERTICAL CONTROL JOINTS ARE REQUIRED AT 20 LINEAL METRES MAX. OR AT ENGINEERED FRAMING EXPANSION JOINTS and at DISSIMILAR MATERIAL JUNCTIONS. SET STO CONTROL JOINT AND REMOVE TAB CAREFULLY AS SOON AS THE JOINT IS SET TO AVOID CRACKS

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DRY or SEASONED TIMBER FRAMING TO NZS 3604 OR PROPRIETARY FLOOR JOISTS

STOTHERM 20mm VH CAVITY BATTENS
STOTHERM PANEL
STOTHERM RENDER SYSTEM

WALL UNDERLAY/RAB - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT
STOTHERM PANEL FIXING
STOTHERM 20mm VH CAVITY BATTENS
STOTHERM PANEL
STOTHERM RENDER SYSTEM

NOTE: INTERSTOREY CONTROL JOINT NOT REQUIRED ON SEASONED TIMBER OR PROPRIETARY FLOOR JOISTS. CONTINUOUS CAVITY CONSTRUCTION IS LIMITED TO TWO STORIES OR 7 METRES BEFORE A DRAINED CAVITY JUNCTION IS REQUIRED

NOTE: SEASONED (dry) TIMBER OR PROPRIETARY FLOOR JOIST DETAIL
STOTHERM PANEL FIXING
STOTHERM 20mm VH CAVITY BATTENS
STOTHERM RENDER SYSTEM
STOTHERM PANEL

STOTHERM INSULATED FACADE SYSTEM
HORIZONTAL INTER-STORREY (on dry or proprietary joists)

STOTHETM SYSTEM
ST 306
2017
A: INTERSTOREY PANEL JOINT CENTRED 1/3 WAY DOWN FROM TOP OF THE JOIST.

15mm GAP BETWEEN CAVITY BATTENS

UNSEASONED TIMBER FLOOR FRAMING TO NZS 3604

IN MESH COAT INSTALL STO uPVC 12mm CONTROL JOINT WITH MS SEALANT

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM 20mm VH CAVITY BATTENS

STOTHERM PANEL

STOTHERM RENDER SYSTEM

WALL UNDERLAY/RAB - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT

STOTHERM PANEL FIXING

STOTHERM PANEL FIXING

NOTE: UNSEASONED TIMBER FLOOR JOIST DETAIL.

NOTE: INTERSTOREY CONTROL JOINT NOT REQUIRED ON SEASONED TIMBER OR PROPRIETARY FLOOR JOISTS. CAVITY CONSTRUCTION LIMITED TO TWO STORIES OR 7 METERS, BEFORE A DRAINED INTERSTOREY JUNCTION IS REQUIRED
STOTHERM THERM 20mm VH CAVITY BATTEN

STOTHERM FIXING

STOTHERM PANEL

STOTHERM RENDER SYSTEM

FLASHING TAPE OVER

STO uPVC VENTED BASE CAP

1. AS REQUIRED TO LIMIT CONTINUOUS CAVITY CONSTRUCTION TO TWO STOREYS OR MAX. 7 METERS. FLASHING BACK AND FRONT COVER TO BE A MINIMUM 35mm EXCLUDING DRIP EDGES.

2. IN EXTRA HIGH WIND ZONE INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID AIR BARRIER.

WALL UNDERLAY/RAB - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT

STOTHERM PANEL FIXING

STOTHERM RENDER SYSTEM

STOTHERM PANEL

WALL UNDERLAY/RAB - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT

100mm HORIZONTAL CAVITY BATTEN SET TO A FALL OF 5°

STO uPVC 6mm FINISHING EDGE

STO uPVC END CAP

ALLOW TO RENDER BEHIND THEN SEAL WITH MS SEALANT or STO SEAL TAPE

WALL UNDERLAY/RAB - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT

STOTHERM PANEL FIXING

100mm HORIZONTAL CAVITY BATTEN SET TO A FALL OF 5°

STOTHERM RENDER SYSTEM

IF NON-HEMMED FLASHING USED, INCREASE UPSTAND HEIGHT BY 25mm.

DRY OR SEASONED TIMBER OR PROPRIETARY FLOOR JOISTS

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NOTE: INSTALL FLASHING TAPE WITH 100mm CLEARANCE AROUND PIPE ONTO WALL UNDERLAY AND WRAP 25mm AROUND PIPE.
WHERE MIN 75mm BLOCKING SUPPORTS THE WALL UNDERLAY AROUND THE PENETRATION THE FLASHING TAPE CAN BE OMITTED BUT A FACE FIXED EXTERIOR FLANGE WITH SEALANT IS REQUIRED AS PER E2AS1 FIG.68

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50 x 3mm EPDM WASHER GASKETS REQUIRED AROUND FIXINGS AND PLATE TO PROVIDE WATERTIGHTNESS

ADHESIVE GLUE AROUND PERIMETER OF STO QUADER BLOCKING TO STOTHERM PANEL

SLOPE CONDUIT

50mm min CLEARANCE FROM CAVITY BATTENS

TIMBER BLOCKING BETWEEN STUDS AS REQUIRED

TIMBER PACKER SLOPED AT 5°

NOTE: STO QUADER BLOCK IS A HIGH DENSITY NON COMPRESIBLE EPS POLY BLOCK WITH 4x28mm PLYWOOD INSERTS. FACING FRAMING SIZE 645x145x60/FOUR SECTIONS PER BLOCK, USE A FIXING PLATE TO AVOID POINT LOADS

STOTHERM PANEL

STOTHERM 20mm VH CAVITY BATTEN

WALL UNDERLAY/RAB

ALL WIRING SHOULD BE ENCLOSED IN CONDUIT

STOTHERM RENDER SYSTEM

STOTHERM INSULATED FACADE SYSTEM

LIGHT FITTING/FIXING DETAIL

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2017
NOTE: STO QUADER BLOCK IS A HIGH DENSITY NON COMPRESIBLE EPS POLY BLOCK WITH 4x28mm PLYWOOD INSERTS. FACING FRAMING SIZE 645x145x60/FOUR SECTIONS PER BLOCK, USE A FIXING PLATE TO AVOID POINT LOADS
SELECTED HANDRAIL
TIMBER PACKER AT FIXINGS
POINTS - SLOPED AT 5 DEGREES min. 50mm CLEARANCE FROM CAVITY BATTENS

100mm MAX
NZBC D1 clause 1.5.2

WALL UNDERLAY
STOTHERM 20mm VH CAVITY BATTENS
STOTHERM PANEL
STOTHERM RENDER SYSTEM

50 x 3 mm EPDM WASHER GASKETS REQUIRED AROUND FIXINGS BETWEEN PLATE AND RENDER TO PROVIDE WATERTIGHTNESS

STO QUADER BLOCK FIXING

ADHESIVE GLUE AROUND PERIMETER OF STO QUADER BLOCKING TO STOTHERM PANEL

NOTE: STO QUADER BLOCK IS A HIGH DENSITY NON COMPRESIBLE EPS POLY BLOCK WITH 4x28mm PLYWOOD INSERTS. FACING FRAMING SIZE 645x645x145x60/FOUR SECTIONS PER BLOCK, USE A FIXING PLATE TO AVOID POINT LOADS

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STOTHERM JOINT SEAL TAPE OR PEF ROD MS SEALANT

FULL WIDTH OF METER BOX
AT min. 10° SLOPE WITH FLASHING TAPE OVER.
EXTEND WEDGE 100mm PAST SIDE OF METER BOX
LEAVE min. 50mm GAP IN CAVITY BATTEN FOR DRAINAGE

APPLY 6mm BEAD OF MS SEALANT OVER STO JOINT SEAL TAPE TO TOP, SIDES AND BOTTOM

STOTHERM upVC END CAP
STO JOINT SEAL TAPE OR PEF ROD MS SEALANT

FLEXIBLE FLASHING TAPE 50mm OUT OVER THE METERBOX PERIMETER ALL AROUND AND 100mm ONTO UNDERLAY

STOTHERM 20mm VH CAVITY BATTENS TO BE 8mm FROM SIDES OF METERBOX

STOTHERM PANEL

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
METERBOX - ISOMETRIC

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STOTHERM 20mm VH CAVITY BATTENS

STOTHERM PANEL

STOTHERM RENDER SYSTEM

STOTHERM 20mm VH CAVITY BATTENS

STO SPIRAL FIXING

PVC CONDUIT SLEEVE INSTALLED

MS SEALANT ALL AROUND

TIMBER FRAMING TO NZS3604

1. DOWNPIPE/CLIP - SADDLE DETAIL

NOTE: ENSURE THE NUMBER OF PENETRATIONS THROUGH THE SYSTEM IS KEPT TO A MINIMUM. THE WEATHER SEALING OF ALL WIRING, ETC AS SHOWN, IS THE RESPONSIBILITY OF THE APPLICABLE TRADE

2. WIRING PENETRATION DETAIL

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STOTHERM 20mm VH CAVITY BATTENS
STOTHERM PANEL
MS SEALANT TO HEAD & SIDES
FLEXIBLE FLASHING TAPE
MS SEALANT/PEF ROD AT PIPE JUNCTION (STO SEAL TAPE ON FLEXIBLE PIPES)
STO uPVC END CAP
STO uPVC 6mm FINISHING EDGE
STOTHERM RENDER SYSTEM

NOTE:
LEAVE 40mm DRAINAGE GAP IN SEALANT AT BOTTOM OF FAN COVER.
INSTALL FLASHING TAPE 100mm AROUND PIPE ONTO WALL UNDERLAY AND WRAP
25mm ROUND PIPE.
FOR FLEXIBLE PIPES, TAPE PIPE TO FAN COVER, APPLY STO JOINT SEAL TAPE
AROUND TAPE BEFORE PLACING IN HOLE. ALWAYS FINISH RENDER BEFORE
INSTALLING FAN COVER.

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
FAN VENT DETAIL

ST 357
2017

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A: INTERSTOREY PANEL JOINT CENTRED 1/3 WAY DOWN FROM TOP OF JOIST

NOTE:
1. VERTICAL CAVITY BATTENS ARE INSTALLED WITH A 15mm GAP AT INTER-STOREY JOINT
2. INSTALL STO uPVC 12mm CONTROL JOINT
3. ONLY SUITABLE FOR 2 STOREY - REFER DRAWING SHEET ST 359 FOR THIRD STOREY
4. ENSURE THERE ARE NO FIXINGS INTO FLOOR JOIST

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WALL UNDERLAY - ENSURE UNDERLAY RUNS CONTINUOUS OVER JOINT
ADDITIONAL WALL UNDERLAY DRESSED OVER FLASHING
DRY OR SEASONED TIMBER OR PROPRIETARY FLOOR JOISTS

1. AS REQUIRED TO LIMIT CONTINUOUS CAVITY CONSTRUCTION TO TWO STOREYS OR 7 METERS. FLASHING BACK AND FRONT COVER TO BE A MINIMUM 35mm EXCLUDING DRIP EDGES
2. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm AND USE A RIGID UNDERLAY

STOTHERM RENDER MESHED BASECOAT BEHIND PROFILE
STOTHERM RENDER SYSTEM
ATTACH WITH EPS SUITABLE ADHESIVE - TOPSIDE ONLY
PREMESHED ARCHITECTURAL PROFILE

STO VENTED BASE CAP
INTER-STOREY FLASHING 15°MIN.SLOPE AND 5mm MIN.GAP
STOTHERM 20mm VH DRAINED CAVITY
STOTHERM PANEL
STOTHERM RENDER SYSTEM

DIN 4108-3 2009
ST 359
2017

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1. FLASHING TAPE SYSTEM TO BE INSTALLED AROUND JOINERY OPENINGS AS PER E2/AS1 DETAILS
2. STO UPVC CAVITY VENTED HEAD FLASHING CAN BE USED WHERE A RENDERED HEAD IS DETAILED - REFER DWG PP 401
3. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN AND USE A RIGID UNDERLAY
4. 10mm MINIMUM HEAD FLASHING OR PROPRIETARY STOP ENDS REQUIRED

STOTHERM INSULATED FACADE SYSTEM
ALU.JOINERY - HEAD DETAIL - STICK ON JAMB

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1. Flashing tape system to be installed around joinery openings as per E2/AS1 details.
2. The aluminum window head flashing butts into the Sto cavity jamb to provide stopend after removing the jamb tab and fitting to joinery before fitting window head. Flashing tight and Ms sealant the junctions - see detail PP402.
3. In extra high wind zones increase flashing cover to 60mm min. and use a rigid underlay.
NOTE: OPENINGS OVER 600mm REQUIRE JOINERY SUPPORT BAR
USE STO uPVC ADHESIVE SILL AND JAMB FLASHING WITH WANZ JOINERY SUPPORT BAR
JOINERY SUPPORT MUST BE CUT 15mm SHORT OF JOINERY JAMBS TO ALLOW FOR STO uPVC FLASHINGS
1. SEALANT IS APPLIED TO THE SILL AND JAMB FLASHINGS
2. WINDOW HEADS ARE LEFT OPEN
3. FLEXIBLE FLASHING TAPE SYSTEM TO BE INSTALLED AROUND JOINERY OPENINGS AS PER E2/AS1 DETAILS
WARNING: SOME BRANDS OF ALUMINIUM JOINERY HAVE DRAINAGE VENTS IN THE BOTTOM EDGE OF THE SILL FLANGE. ENSURE DRAINAGE VENTS REMAIN CLEAR.
STOTHERM INSULATED FACADE SYSTEM
ALU.JOINERY - JAMB DETAIL - STO uPVC CAVITY JAMB

STOTHERM SYSTEM
ST 403
2017

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NOTE: INSTALL STOTHERM JOINERY FLASHINGS DURING STOTHERM PANEL CONSTRUCTION

SCALE 1:2

STOTHERM 20mm VH CAVITY BATTEN

STOTHERM 20mm VH

STOTHERM 20mm VH CAVITY BATTEN

STOTHERM PANEL

STOTHERM RENDER SYSTEM

WALL UNDERLAY RETURNED INTO RECESS WITH FLASHING TAPE SYSTEM. FLASHING TAPE RETURNED min 100mm UP JAMBS AS PER E2/AS1 STOTHERM PANEL FIXING

STO uPVC ADHESIVE SILL AND JAMB FLASHING

STO PRE-MESHED ANGLE

ALUMINIUM WINDOW JOINERY

LINE OF HEAD FLASHING 10mm OVER WITH STOPEND

MS SEALANT TO JAMBS

AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX.

FLASHING TAPE (100mm UP JAMBS)

H1.2 PACKER TO SUPPORT JOINERY

+/- 3-5mm TO ALLOW FOR FLASHING TAPES AT JOINERY

STO uPVC ADHESIVE SILL AND JAMB FLASHING

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LINE OF STOTHERM PANEL CLADDING BEYOND - SHOWN DASHED
SELECTED ALU.DOOR JOINERY INSTALLED TO MANUFACTURERS RECOMMENDATIONS
WANZ SUPPORT BAR COMPLETE WITH VENTILATION/DRAINAGE HOLES INSTALLED TO MANUFACTURERS RECOMMENDATIONS
SELECTED MEMBRANE FINISH OVER H3 "C" FACED PLYWOOD LAID TO 1:40MIN.FALL. GLUE & SCREW TO TIMBER JOISTS, ALL EDGES SUPPORTED ON TIMBER

LINE OF STOTHERM PANEL CLADDING BEYOND - SHOWN DASHED
SELECTED ALU.DOOR JOINERY INSTALLED TO MANUFACTURERS RECOMMENDATIONS
WANZ SUPPORT BAR COMPLETE WITH VENTILATION/DRAINAGE HOLES INSTALLED TO MANUFACTURERS RECOMMENDATIONS
SELECTED MEMBRANE FINISH OVER H3 "C" FACED PLYWOOD LAID TO 1:40MIN.FALL. GLUE & SCREW TO TIMBER JOISTS, ALL EDGES SUPPORTED ON TIMBER

TURN-UP FLASHING TAPE 100mm MIN. AT TRIMMER STUDS
SELECTED FLOORING
CONTINUOUS AIR SEAL
TIMBER STRUCTURE AS PER NZS3604

MEMBRANE REINFORCING STRIP
20mm MIN. ANGLE FILLET

35mm to finished surface

MIN. THRESHOLD 100mm FROM FLOOR TO FINISHED DECK

NOTE: ADJUST 35mm TO ALLOW FOR SELECTED TILES AS REQUIRED, UNDER DOOR TRIM BY BUILDER

REFER TO E2/AS1 FIG. 17 A,B,C & D INCLUDING SECTION 9.1.10

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
ENTRY DOOR/DECK THRESHOLD DETAIL
ST 407
2017

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FLASHING TAPE TAPE OVER SILL AND MIN. 100mm UP FRAME FINISH AT BOTTOM EDGE OF SILL SUPPORT BAR

LINE OF STOTHERM CLADDING SYSTEM BEYOND SELECTED ALU. BIFOLD DOOR JOINERY INSTALLED TO MANUFACTURERS RECOMMENDATIONS

WANZ SUPPORT BAR COMPLETE WITH VENTILATION/DRAINAGE HOLES, INSTALLED TO MANUFACTURERS RECOMMENDATIONS

REFER TO E2/AS1 FIG. 17 A,B,C & D INCLUDING SECTION 9.1.10 .
150mm MIN. FROM TOP OF FFL COVERING TO PAVED GROUND

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1. CHECK GARAGE DOOR SPECIFICATIONS FOR INTERNAL CORNER REQUIREMENTS
2. SEAL FLASHING FOR VERY HIGH or EXTRA HIGH WIND ZONES
3. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

STOTHERM RENDER SYSTEM
STOTHERM PANEL
WALL UNDERLAY
20mm DRAINED CAVITY
STOTHERM PANEL FIXING
ADDITIONAL LAYER OF FLASHING TAPE LAPPED OVER HEAD FLASHING
STO uPVC VENTED BASE CAP
MIN. 5mm GAP REQUIRED
ALUMINIUM HEAD FLASHING WITH 15° SLOPE AND 10mm COVER

TIMBER LINTEL AS PER NZS 3604

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STOTHERM PANEL FIXING
STOTHERM 20mm VH CAVITY BATTEN
TIMBER FRAMING TO NZS 3604
WALL UNDERLAY CONTINUOUS AROUND CORNERS
LINE OF HEAD FLASHING
STO 6mm FINISHING EDGE
MS SEALANT ON STO JOINT SEAL TAPE OR PEF ROD

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NOTE
USE STOARMAT RENDER ON 6mm FIBRE CEMENT & STO uPVC CLIP ON TRAY AND E2/AS1 COMPLIANT FLASHING IN CAVITY

STOTHERM RENDER SYSTEM
STOTHERM PANEL
STOTHERM PANEL FIXING
ADDITIONAL LAYER OF FLASHING TAPE LAPPED OVER HEAD FLASHING
STO uPVC ADJUSTABLE FOOT TRAY - BASE
STO uPVC ADJUSTABLE FOOT TRAY - FRONT OR STO VENTED BASED CAP

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NOTE:
CHECK GARAGE DOOR SPECIFICATIONS FOR INTERNAL CORNER REQUIREMENTS

STOTHERM INSULATED FACADE SYSTEM
GARAGE DOOR - RENDERED JAMB DETAIL

ST 413
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NOTE: THE ALUMINUM HEAD FLASHING IS CUT 12mm (6mm x2) PROUD OF JOINERY AND BUTTS ONTO THE uPVC CAVITY JAMB FLASHING THAT RUNS 30mm MIN.PAST THE WINDOW HEAD FLASHING - REMOVE uPVC TABS AS DETAILED TO ALLOW HEAD FLASHING TO BUTT INTO JAMBS BEFORE APPLYING MS SEALANT JOINT. THE VENTED uPVC WINDOW HEAD IS POSITIONED ON TOP OF ALUMINUM HEAD FLASHING AND BUTTS INTO JAMBS.

A. REMOVE JAMB TAB SO uPVC HEAD FLASHING FITS OVER INTO JAMBS SIDES
B. CUT ALU.HEAD FLASHING 12mm (6mm x 2) PROUD OF WINDOW JOINERY

SEALANT REQUIRED FOR VERY HIGH & EXTRA HIGH WIND ZONES

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
STO uPVC HEAD & JAMB JOINERY - ISOMETRIC

NOTE: IF PROPRIETARY STOPENDS ARE USED DIMENSIONS REMAIN THE SAME

STO CAVITY BATTEN
STO CAVITY JAMB & SILL FLASHTO MASK 30mm MIN.PAST WINDOW HEAD

MS SEALANT HEAD FLASHING TO STO uPVC JAMBS

REMOVE JAMB TABS SO ALUMINIUM HEAD FLASHING BUTTS INTO uPVC JAMBS

STO VENTED uPVC WINDOW HEAD OVER ALUMINIUM HEAD FLASHING
PROPRIETARY ALUMINIUM HEAD FLASHING
PROPRIETARY ALUMINIUM WINDOW JOINERY

AT HEAD FLASHING REMOVE JAMB TABS
REMOVE BACK TAB HOOK

STOTHERM SYSTEM
STOTH ERM INSULATED FACADE SYSTEM
STO uPVC HEAD & JAMB JOINERY - ISOMETRIC

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1. INSTALL METAL SADDLE FLASHING AT WALL JUNCTION
2. ENSURE TOP IS TEMPORARILY WATERPROOFED BEFORE COMMENCING RENDERING
3. METAL CAPPING EXCLUDING DRIP EDGE MUST OVERLAP SHEET BY
   50mm MIN. IN LOW, MED or HIGH WIND ZONE,
   70mm MIN. IN VERY HIGH,
   90mm MIN. IN EXTRA HIGH WIND ZONES

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STOTHERM CAP AT 10° OVERSEATS WALLS, GLUE TO 9mm FIBRE CEMENT SHEET OR H3.1 PLYWOOD OVER TOP PLATE/CAVITY

STO PREMESHED uPVC ADJUSTABLE CORNERS

OVERLAY OF STO FLEXYL MEMBRANE UNDER MESH COAT TO TOP & SIDES, 75mm MIN. DOWNTURN OVER BASE COAT

9mm FIBRE CEMENT SHEET OR H3.1 PLYWOOD OVER FRAMING

WALL UNDERLAY CONTINUOUS OVER TOP OF WALL FRAME

20mm DRAINED CAVITY

STOTHERM PANEL

STOTHERM RENDER SYSTEM

NOTE:
STO FLEXYL MESSED WATERPROOFING MEMBRANE HAS BEEN TESTED BY BRANZ TO MEET THE REQUIREMENTS OF AS/NZS4858 AS REQUIRED BY E2/AS1

EXTRA HIGH WIND ZONES REQUIRE A RIGID UNDERLAY, WITH FLASHING TAPED TO RIGID UNDERLAY
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WALL FRAMING
WALL UNDERLAY

FLEXIBLE FLASHING TAPE DRESSED UP AND SECURELY ADHERED TO WALL UNDERLAY AT REAR OF CAVITY
CONTINUE FLASHING TAPE OR ROOF UNDERLAY OVER H3.1 CAPping PLATE
15mm H3 PLYWOOD CAP PLATE
5° FALL

H3.1 SLOPED SPACER

DRAIN FORMED IN CORNER
CAVITY BATTENS

NOTE:
E2/AS1 COMPLIANT BACK FLASHING REQUIRED ON TOP OF BATTENS IN CORNER TO COVER PANEL JOINT. SEE DETAIL 502

SCALE 1:5

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
FLEXIBLE FLASHING TAPE INSTALL - ISOMETRIC

ST 503
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2 LINES OF SEALANT

A. SADDLE FLASHING

B. PARAPET CAP

8mm EXPANSION GAP BETWEEN PARAPET CAP AND SADDLE FLASHING - USE MS SEALANT

METAL PARAPET CAP FLASHING FIXED THROUGH THE SIDES.

PARAPETS TO FALL TO INTERIOR SIDE. COVER TO CLADDING AS PER E2/AS1 TABLE 7

NOTE: SADDLE FLASHING INSTALLED OVER CLADDING. WITH BACK FLASHINGS REQUIRED ON TOP OF CAVITY BATTENS TO INTERNAL CORNERS UNDER CLADDING.
CAP FLASHING JOINS INSTALLED OVER SOAKER FLASHINGS WITH MINIMUM 50mm OVER LAP BOTH SIDES WITH 5mm GAP AND 6mm SEALANT BEADS UNDER FLASHING OR 100mm OVERLAPPED JOINTS RIVETED THROUGH SEALANT. REFER FIG. 9 E2/AS1

H3.1 CAPPING PLATE CUT TO A FALL WITH FLASHING TAPE OR ROOFING UNDERLAY

INTERNAL CLADDING BACK FLASHING UNDER CLADDING

STOTHERM CLADDING SYSTEM

WALL UNDERLAY

STOTHERM 20mm VH CAVITY BATTENS

PLACE CAP FLASHING OVER SADDLE FLASHING - REFER TO E2/AS1 FIGURE 12 FOR CAP FIXING DETAILS,

NOTE:  SADDLE FLASHING INSTALLED OVER CLADDING.
WITH BACK FLASHINGS REQUIRED ON TOP OF CAVITY BATTENS TO INTERNAL CORNERS UNDER CLADDING.
CAP FLASHING JOINS INSTALLED OVER SOAKER FLASHINGS WITH MINIMUM 50mm OVER LAP BOTH SIDES WITH 5mm GAP AND 6mm SEALANT BEADS UNDER FLASHING OR 100mm OVERLAPPED JOINTS RIVETED THROUGH SEALANT. REFER FIG. 9 E2/AS1

STOTHERM INSULATED FACADE SYSTEM

METAL SADDLE FLASHING & CAP INSTALL

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NOTE:
APPLY STOFLEXYL MESHED WATERPROOFING OVER BASECOAT RENDER.
STOFLEXYL MESHED WATERPROOFING HAS BEEN TESTED BY BRANZ TO MEET THE REQUIREMENTS OF AS/NZS4858 FOR A WATERPROOFING MEMBRANE AS REQUIRED BY E2/AS1
E2/AS1 REQUIRES BALCONY & PARAPET WALLS TO BE OFFSET FROM MAIN WALL PLANE TO ALLOW FOR SADDLE FLASHINGS

10° FALL

100mm

NOTE:
APPLY STOFLEXYL MESHED WATERPROOFING OVER BASECOAT RENDER
STOFLEXYL MESHED WATERPROOFING HAS BEEN TESTED BY BRANZ TO MEET THE REQUIREMENTS OF AS/NZS4858 FOR A WATERPROOFING MEMBRANE AS REQUIRED BY E2/AS1

OVERLAY OF STOFLEXYL MEMBRANE UNDER MESH COAT TO TOP & SIDES 100mm MIN.
DOWNTURN OVER BASE COAT

E2/AS1 CAP AT 10°
OVERSEATS WALLS, GLUE TO H3.1
PLYWOOD OVER TOP PLATE/CAVITY

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10° MIN.FALL TO TOP OF PARAPET
H3 PLYWOOD
STOTHERM 20mm VH CAVITY BATTEN WALL UNDERLAY CONTINUOUS OVER TOP OF WALL FRAME 20mm DRAINED CAVITY

STO PREMESHEDE PVC ADJUSTABLE CORNER ANGLES IN STO ARMAT CLASSIC COAT
OVERLAY OF STO FLEXYL MEMBRANE UNDER MESH COAT TO TOP & SIDES, 100mm MIN.DOWNTURN OVER BASE COAT
20mm DRAINED CAVITY

NOTE:
HANDRAIL REQUIRED WHERE BALUSTRADE IS UNDER 1000mm
ALLOW EXTRA CLADDING CLEARENCE TO DECK AND INCREASE MEMBRANE UPSTAND WHERE TILING ANTICIPATED

DRESS WALL UNDERLAY OVER MEMBRANE AND BASE CAP

STO uPVC VENTED BASE CAP
FULLY SUPPORTED MEMBRANE UPSTAND
20mm MIN.ANGLE FILLET
DECK FRAMING TO NZS 3604 OR ENGINEERS DESIGN

STOTHERM 20mm VH CAVITY BATTEN WALL UNDERLAY CONTINUOUS OVER TOP OF WALL FRAME 20mm DRAINED CAVITY

STOTHERM PANEL
STOTHERM RENDER SYSTEM

STOTHERM PANEL
STOTHERM RENDER SYSTEM

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NOTE:
- 100mm MIN. FROM FLOOR LEVEL FOR ENCLOSED DECKS
- MIN.FALLS: 1:40 FOR DECKS, 1:30 FOR ROOFS & 1:100 FOR GUTTERS
- ALLOW FOR TILES IF REQUIRED
- MAINTAIN CLEARANCES AND UPSTANDS FOR TILES

STOTHERM PANEL
STOTHERM RENDER SYSTEM
FULLY SUPPORTED MEMBRANE
TO RUN UP 150mm MIN.ABOVE
DECK LEVEL
STOTHERM PANEL FIXING
MEMBRANE REINFORCING STRIP
VENTED CAVITY BASE CLOSER
STO uPVC ADJUSTABLE FOOT
TRAY
SELECTED MEMBRANE FINISH OVER H3 "C"
GRADE FACED PLYWOOD LAID TO 1:40
MIN.FALL. GLUE & SCREW TO TIMBER
JOISTS, ALL EDGES SUPPORTED ON TIMBER
20mm MIN.ANGLE FILLET
35mm MIN.AT HIGHEST POINT OF
DECK/ROOF AT 10mm DRIP EDGE

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Note:
Refer E2/AS1 Fig.16 for flashing requirements. Provide 6-8mm wide sealant joint at cladding/saddle flashing junction.

50mm min. set down from floor or threshold for cantilevered slatted decks.
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NOTE: 'L' BRACKET ENGINEERED FOR LOAD. FLASHING TAPE TO BUILDING UNDERLAY IN ACCORDANCE WITH E2/AS1 FIG. 68
NOTE: INSTALL FLASHING TAPE OVER BRACKET ONTO BUILDING UNDERLAY AS PER E2/AS1 fig 68, ALSO REFER TO DETAIL 510

MANUFACTURED GALVANIZED STEEL 'H' OR 'U' BRACKET FOR PARALLEL JOISTS OR USE 'L' BRACKET FOR RIGHT ANGLE CONNECTIONS

INSTALL DECK JOIST AFTER CLADDING IS FINISH RENDERED
40mm GAP RECOMMENDED FOR FIXINGS AND RENDERING

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EPDM WASHERS REQUIRED AROUND FIXINGS AND PLATE TO PROVIDE WATERTIGHTNESS

RWH HEAD FIXED DIRECTLY ABOVE & BELOW SCUPPER PENETRATION

PRE FINISHED 0.55MM BMT STEEL CUSTOM FOLDED AND RIVETED RAIN WATER HEAD

STOPLEX W SEALER & MS SEALANT AROUND OPENING/RHW

MEMBRANE DRESSED OVER 50x50mm ALU. ANGLE REBATED INTO SUBSTRATE

LEAF SCREEN TO OVERFLOW. AREA OF OVERFLOW TO BE 1.5 X CROSS SECTION OF DOWNPIPE AREA. OVERFLOW BELOW OPENING LEVEL

LINE OF MEMBRANE LAPED 150mm ABOVE DECK

LINE OF UNDERLAY

OUTLET THROUGH WALL

SELECTED MEMBRANE FINISH OVER H3 "C" FACED PLYWOOD LAID TO 1:60MIN.FALL. GLUE & SCREW TO TIMBER JOISTS, ALL EDGES SUPPORTED ON TIMBER

20mm MIN ANGLE FILLET 25mm MIN GUTTER WALLS, 75mm MIN. FROM GUTTER TO CLADDING

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NOTE:

IF BLOCKING IS MISSING, STAPLE WALL UNDERLAY TO SOFFIT PLATE TO AVOID ANY VENTILATION GAPS

REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE:

REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE:

REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE:

MAX. ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91°-115°

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NOTE: USE STOARMAFRENDER ON FIBRE CEMENT SHEET & STO uPVC CLIP ON TRAY
**NOTE:**
BACK FLASHING IS REQUIRED BEHIND FASCIA AND PANEL JUNCTION 50mm MIN.COVER. FOR DURABILITY OF FLASHING REFER TABLE 20 NZBC E2/AS1 DOCUMENT. ROOF UNDERLAY OMITTED FOR CLARITY.

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**STOTHERM SYSTEM**

**STOTHERM INSULATED FACADE SYSTEM**

**GUTTER/WALL APRON FLASHING JUNCTION**

ST 606

2017

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SELECTED ALUMINIUM WINDOW/DOOR JOINERY
TIMBER LINTEL AS PER NZS 3604
100mm MIN. TO FACE OF CLADDING
SELECTED FIBRE CEMENT SOFFIT LINING
18x18mm TIMBER BEAD AT SOFFIT, PAINTED
LINE OF STOTHERM PANEL CLADDING BEYOND - SHOWN DASHED
PROVIDE AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX. WALL UNDERLAY DRESSED INTO OPENING AS PER E2/AS1 DETAIL

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SELECTED MEMBRANE FINISH OVER H3 "C" GRADE FACED PLYWOOD LAID TO 1:60MIN.FALL. GLUE & SCREW TO TIMBER JOISTS, ALL EDGES SUPPORTED ON TIMBER MIN.5mm RADIUS TO PLYWOOD

50/90mm LAP REFER NZBC, TABLE 7 E2/AS1 50X50 ALUMINIUM ANGLE FIXED TO UNDERSIDE OF PLY SUBSTRATE PREFINISHED METAL SPOUTING SYSTEM ON BRACKETS MS SEALANT ON PEF ROD WALL UNDERLAY 20mm DRAINED CAVITY STOTHERM PANEL STOTHERM RENDER SYSTEM

CONTINUOUS BATTEN TO CLOSE OFF CAVITY FROM ROOF SPACE

STOTHERM PANEL FIXING 50X50 ALUMINIUM ANGLE FIXED TO UNDERSIDE OF PLY SUBSTRATE

STOTHERM PANEL STOTHERM RENDER SYSTEM

6mm MAX GAP

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NOTE:
IF BLOCKING IS MISSING, STAPLE WALL UNDERLAY TO SOFFIT PLATE TO AVOID ANY VENTILATION GAPS

REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE:
REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE:
REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
STOTHERM PANEL
STOTHERM PANEL FIXING
STOTHERM RENDER SYSTEM
20mm DRAINED CAVITY
STOPEND TO PROJECT
10mm MIN. PAST FINISHED CLADDING
STO VENTED ADJUSTABLE FOOT TRAY
PRE FINISHED METAL APRON FLASHING
PREFINISHED METAL ROOFING OVER UNDERLAY
SELECTED ROOF UNDERLAY
ROOF UNDERLAY CONTINUOUS TO TOP OF FLASHING
NOTE:
STOPENDS REQUIRED AT ROOF to WALL JUNCTION TO DIVERT WATER FROM CAVITY

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NOTE: PROVIDE FLASHING STOPEND AT ROOF TO GUTTER JUNCTION TO DIVERT WATER INTO THE GUTTER - Refer Drawing ST606

STOTHERM INSULATED FACADE SYSTEM
PARALLEL APRON FLASHING
NOTE: CONTRACTOR TO FIT STOPEND FLASHING & HEMMED FLASHING FOR FASCIAS 50mm BEHIND CLADDING, 50mm BEHIND FASCIA. STO CONTRACTOR TO APPLY FINISHED SEALANT JOINT BETWEEN FASCIA & RENDER. UNDERLAY or FLASHING TAPE OVER FLASHING UPSTAND.

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NOTE: WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL, STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE CLADDING LINE, WHILE MAINTAINING REQ.CLEARANCES, TO ALLOW THE GUTTER TO FEED INTO THE LOWER EAVES GUTTER.

REFER NZBC E2/AS1 Fig: 50 Incl Section 8.1.6.2

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM
PARALLEL ROOF/HIDDEN GUTTER

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SELECTED MEMBRANE FINISH
OVER H3 "C" GRADE FACED
PLYWOOD LAID TO 1:60MIN.FALL.
GLUE & SCREW TO TIMBER
JOISTS, ALL EDGES SUPPORTED
ON TIMBER

MIN.5mm RADIUS TO PLYWOOD

50/90mm LAP REFER NZBC,
TABLE 7 E2/AS1

50X50 ALUMINIUM ANGLE FIXED
TO UNDERSIDE OF PLY
SUBSTRATE

PREFINISHED METAL SPOUTING
AND BRACKETS

H3.1 PRE PRIMED & PAINTED
FASCIA/BARGE BOARD
MS SEALANT ON PEF ROD OR
STO JOINT SEAL TAPE ABOVE
WEATHER GROOVE

STOTHERM FIXING
WALL UNDERLAY
20mm DRAINED CAVITY

STOTHERM PANEL
STOTHERM RENDER SYSTEM

CONTINUOUS BATTEN TO
CLOSE OFF CAVITY
FROM ROOF SPACE

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
FACE FIXED FASCIA/MEMBRANE ROOF

ST 708
2017

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NOTE: WHERE A TIMBER SCRIBER IS REQUIRED EXTEND FLASHING ACCORDINGLY

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

EXT.CORNER W'BOARD/STOTHERM - OPT 1

ST 800

2017

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NOTE: IF A TIMBER SCRIBER REQUIRED
EXTEND FLASHING ACCORDINGLY

<table>
<thead>
<tr>
<th>STOTHERM SYSTEM</th>
<th>STOTHERM INSULATED FACADE SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 805</td>
<td>INT.CORNER WEATHERBOARD/STOTHERM - DIRECT FIX</td>
</tr>
<tr>
<td>2017</td>
<td></td>
</tr>
</tbody>
</table>

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STOTHERM INSULATED FACADE SYSTEM

VERTICAL JOINT - WEATHERBOARD/STOTHERM - OPT 2

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STOTHERM INSULATED FACADE SYSTEM
HORIZONTAL JUNCTION WEATHERBOARD/STOTHERM

1. IN EXTRA HIGH WIND ZONES
INCREASE FLASHING COVER TO 60mm
MIN. AND USE A RIGID UNDERLAY

STOTHERM PANEL
STOTHERM RENDER SYSTEM

20mm DRAINED CAVITY

MS SEALANT OR STO JOINT
SEAL TAPE AS REQUIRED TO
RENDER/FLASHING

STO uPVC 6mm PRE MESHED FINISHING
EDGE AND END CAP.
E2/AS1 COMPLIANT FLASHING

MIN. 5mm GAP
REQUIRED

STOTHERM RENDER SYSTEM

STOTHERM PANEL

CAVITY CLOSER POSITIONED
TO GIVE 15mm MIN. DRIP
EDGE TO CLADDING

TIMBER FILLET TO SUIT

BEVEL-BACK TIMBER
WEATHERBOARDS TO NZS 3617
OVER 20mm DRAINED CAVITY
FLASHING TAPE LAPPED OVER
HEAD FLASHING

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STOTHERM PANEL
STOTHERM RENDER SYSTEM
EZ/AS1 COMPLIANT FLASHING, HEM TO BOTH ENDS
6mm WIDE MS SEALANT OVER STO JOINT SEAL OR PEF ROD
SELECTED 70 SERIES CLAY BRICK VENEER 40mm MIN.CAVITY
STO uPVC 6mm PREMESHED FINISHING EDGE WITH STO uPVC CAP END
WALL UNDERLAY CONTINUOUS AROUND CORNERS
TIMBER FRAMING TO NZS 3604

STOTHERM INSULATED FACADE SYSTEM
INT.CNR BRICK VENEER/STOTHERM - OPT 1

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STOTHERM PANEL
20mm DRAINED CAVITY
MS SEALANT JOINT OVER PEF ROD
STOTHERM PANEL FIXING
STOTHERM RENDER SYSTEM
STOTHERM PANL FIXING
STO uPVC VENTED BASE CAP
SILL 15° SLOPE OVERHANG 30-50mm. FINISH ENDS WITH BRICK SILL OR SLIP
VENT EVERY THIRD PERPEND
BRICK TIES

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STOTHERM RENDER SYSTEM

20mm DRAINED CAVITY
WALL UNDERLAY TO BE CONTINUOUS THROUGH TO FRAMED SUB FLOOR WALL

20mm DRAINED CAVITY
STOTHERM RENDER SYSTEM

STOTHERM PANEL FIXING

NOTE: FRAMED SUBFLOOR WALL OR BASEMENT - NOT SUITABLE AS A WALL CLADDING WHERE E2/AS1 RISK MATRIX IS ABOVE 6

TIMBER FRAMING TO NZS 3604

DIRECT FIXED FIBRE CEMENT SHEET
STOARMAT RENDER SYSTEM

STOTHERM FIXING
STO uPVC VENTED BASE CAP

STOTHERM INSULATED FACADE SYSTEM
FC SHEET - FRAMED SUB FLOOR CLADDING

ST 823
2017

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1. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

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STO THERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

INTERNAL CORNER CONC.BLOCK/STOTHERM

STO S - PROTECT COATING SYSTEM FOR CLEAR FINISHED CONCRETE BLOCK

STOTHERM RENDER SYSTEM WITH STO 6mm PREMESHED FINISHING EDGE & STO uPVC END CAP TO PANEL
20mm DRAINED CAVITY
STOTHERM PANEL
STOTHERM 20mm VH CAVITY BATTEN
STOTHERM PANEL FIXING

MS SEALANT OVER STO JOINT SEAL TAPE OR PEF ROD
STOARMAT RENDER SYSTEM ON SELECTED CONCRETE BLOCK

E2/AS1 COMPLIANT BACK FLASHING CHASED AND SEALED INTO CONC.BLOCK

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STOTHERM FRAMING TO NZS 3604

WALL UNDERLAY CONTINUOUS AROUND CORNERS, POLYPROPYLENE FLASHING TAPE APPLIED TO PROTECT WALL UNDERLAY 75mm MIN.WIDE

STOTHERM PANEL 20mm DRAINED CAVITY

STOTHERM RENDER SYSTEM

20mm DRAINED CAVITY STOTHERM PANEL

WALL UNDERLAY CONTINUOUS AROUND CORNERS, POLYPROPYLENE FLASHING TAPE APPLIED TO PROTECT WALL UNDERLAY 75mm MIN.WIDE

STOTHERM 20mm VH CAVITY BATTEN

MS SEALANT ON PEF ROD

STO 6mm PREMESHE D FINISHING EDGE AND END CAP

SEALANT TO JUNCTION

PROPRIETARY MANUF. STONE CLADDING OVER ADHESIVE MORTAR ON 9mm ETERPAN FIXED ACCORDING TO ETERPAN CONSTR. DETAILS

NOTE: FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE CLADDING

STOTHERM INSULATED FACADE SYSTEM
EXT.CORNER - MANUF.STONE/STOTHERM - OPT 1

ST 840
2017

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STOTHERM INSULATED FACADE SYSTEM
EXT. CORNER MANUF. STONE/STOTHERM - OPT 2

NOTE: FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE CLADDING

STOTHERM SYSTEM

STO PVC CORNER ANGLES ON EXTERNAL CORNERS
STOTHERM 20mm VH CAVITY BATTEN
STOTHERM PANEL FIXING
BRUSH APPLY STOFLEXYL WATERPROOFING
SEALANT TO JUNCTION
MS SEALANT ON PEF ROD
STO PVC CORNER ANGLES ON EXTERNAL CORNERS

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STOTHERM INSULATED FACADE SYSTEM

EXT. CORNER - SCHIST or STONE VENEER/STOTHERM

NOTE: FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE CLADDING

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STOTHERM PANEL JOINTS TO BE TIGHT BUTTED AND FLUSH FILLED WITH ADHESIVE FOAM TAKING CARE NOT TO FILL THE CAVITY

STOTHERM PANEL FIXING

TIMBER FRAMING TO NZS 3604

WALL UNDERLAY CONTINUOUS AROUND CORNERS

E2/AS1 COMPLIANT BACK FLASHING

STOTHERM 20mm CAVITY BATTEN

STOTHERM PANEL

STO PREMESHED PVC CNR.ANGLES ON ALL EXT.CNRS

STOTHERM PANEL FIXING

STO UPVC END CAP TO PANEL

STO 6mm PREMESHED FINISHING EDGE

PROPRIETARY STONE VENEER CLADDING OVER ADHESIVE MORTAR ON 9mm ETERPAN FIXED ACCORDING TO ETERPAN CONSTR. DETAILS

MS SEALANT OVER PEF ROD

STO PREMESHED PVC CNR.ANGLES ON ALL EXT.CNRS

STOTHERM INSULATED FACADE SYSTEM

BOXED EXT.CORNER - STONE VENEER/STOTHERM

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STOTHERM FRAMING TO NZS 3604

STOTHERM RENDER SYSTEM

STOTHERM PANEL

STO 6mm PREMESIGNED FINISHING

20mm DRAINED CAVITY

EDGE AND END CAP

MS SEALANT ON PEF ROD

CLADDING OVER ADHESIVE MORTAR

ON 9mm ETERPAN FIXED ACCORDING TO ETERPAN CONSTR. DETAILS

E2/AS1COMPLIANT CORNER FLASHING

WALL UNDERLAY CONTINUOUS AROUND CORNERS

STOTHERM RENDER SYSTEM

NOTE:
INSTALL FC SHEET AND FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE

8mm GAP, MS SEALANT JOINT

DOUBLET STUD REQUIRED

TIMBER FRAMING TO NZS 3604

STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

INTERNAL CORNER - MANUF.STONE/STOTHERM

ST 844

STOANZ

2017

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TIMBER FRAMING TO NZS 3604

STOTHERM PANEL

STOTHERM RENDER SYSTEM

20mm DRAINED CAVITY WALL UNDERLAY CONTINUOUS AROUND CORNERS STOTHERM PANEL

MS SEALANT ON PEF ROD

PROPRIETARY SCHIST OR STONE VENEER CLADDING OVER ADHESIVE MORTAR ON 9mm ETERPAN FIXED ACCORDING TO ETERPAN CONSTR. DETAILS

NOTE: INSTALL FC SHEET AND FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE

8mm GAP, MS SEALANT JOINT

E2/AS1 COMPLIANT CORNER FLASHING

STOTHERM 20mm VH CAVITY BATTEN

STO 6mm PREMESHEP FINISHING EDGE

STO uPVC END CAP

STOTHERM INSULATED FACADE SYSTEM

ST 845

STOTHERM SYSTEM

INT.CNR SCHIST or STONE VENEER/STOTHERM

STO 6mm PREMESHEP FINISHING EDGE

STO uPVC END CAP

STOTHERM 20mm VH CAVITY BATTEN

NOTE: INSTALL FC SHEET AND FINISH STOTHERM CLADDING SYSTEM BEFORE INSTALLING STONE

DOUBLE STUD REQUIRED
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TOP PIECE OF SCHIST OR STONE MUST EITHER BE PLACED OR CUT SO A 15° SLOPE IS FORMED ON THE SILL

6mm MS SEALANT

STOTHERM PANEL FIXING

STOTHERM PANEL

STOTHERM RENDER SYSTEM

STOTHERM PANEL

STO uPVC VENTED BASE CAP

6mm MS SEALANT

TOP PIECE OF SCHIST OR STONE VENEER CLADDING OVER ADHESIVE MORTAR ON 9mm ETERPAN FIXED ACCORDING TO ETERPAN CONSTR. DETAILS

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<table>
<thead>
<tr>
<th>STOTHERM SYSTEM</th>
<th>STOTHERM INSULATED FACADE SYSTEM</th>
<th>ST 850</th>
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<td>EXT.CORNER - HORIZ.PROFILED METAL/STOTHERM</td>
<td>2017</td>
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</tbody>
</table>

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STOTHERM PANEL
STOTHERM 20mm
VH CAVITY BATTEN

STOTHERM RENDER SYSTEM
WITH 6mm STO PREMESHD
FINISHING EDGE & STO uPVC
END GAP

MS SEALANT ON STO JOINT SEAL
TAPE OR PEF ROD 6mm MIN.GAP

E2/AS1 COMPLIANT FLASHING
HORIZONTAL PROFILED METAL WALL
CLADDING (SPECIFY TYPE, THICKNESS
& COATING)

STOTHERM PANEL
STOTHERM 20mm
VH CAVITY BATTEN

STOTHERM RENDER SYSTEM
WITH 6mm STO PREMESHD
FINISHING EDGE & STO uPVC
END GAP

MS SEALANT ON STO JOINT SEAL
TAPE OR PEF ROD 6mm MIN.GAP

E2/AS1 COMPLIANT FLASHING
HORIZONTAL PROFILED METAL WALL
CLADDING (SPECIFY TYPE, THICKNESS
& COATING)

STOTHERM INSULATED FACADE SYSTEM
INT.CORNER - HORIZ.PROFILED METAL/STOTHERM
ST 851
2017

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1. REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
2. HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
3. VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY
4. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

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REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

STOTHERM INSULATED FACADE SYSTEM
ST 855
ST 855
2017

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1. REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
2. HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
3. VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY. FIXING IN ACCORDANCE WITH E2/AS1
4. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

STOTHERM INSULATED FACADE SYSTEM
HORIZ.JUNCTION - VERT.PROFILED METAL/STOTHERM

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WALL UNDERLAY CONTINUOUS AROUND CORNERS, FLASHING TAPE APPLIED TO PROTECT WALL UNDERLAY 75mm MIN. WIDE

STOTHERM PANEL FIXING
50mm STOTHERM PANEL WITH STOTHERM RENDER SYSTEM TO FINISH

STOTHERM uPVC END CAP

STO POREN RENDER SYSTEM S PROTECT WS 205 TO SEAL END PANEL
STO PRE MESHED ANGLE TO CORNER

POREN PANEL
STOTHERM 20mm VH CAVITY BATTEN
POREN FIXING

USE A POLY PACKER TO FORM GAP IN BASECOAT BEFORE INSTALLING STO uPVC CONTROL JOINT WITH MS SEALANT IN STOARMAT MESH COAT

SCALE 1:2

STOTHERM INSULATED FACADE SYSTEM
EXTERNAL CORNER - STOPOREN/STOTHERM

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STOTHERM INSULATED FACADE SYSTEM

VERTICAL JOINT - STOPOREN/80mm STOTHERM

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50mm STOTHERM PANEL WITH STOTHERM RENDER SYSTEM TO FINISH

20mm CAVITY

STOTHERM uPVC END CAP

USE A POLY PACKER TO FORM GAP IN BASECOAT BEFORE INSTALLING STO uPVC 12mm CONTROL JOINT WITH MS SEALANT IN STOARMAT MESH COAT

20mm CAVITY

POREN PANEL

STOPAREN RENDER SYSTEM WITH STO uPVC END CAP

12mm GAP

12mm GAP

NOTE: UP TO A MAX. OF TWO STOREYS OR 7 METRES IN HEIGHT
1. DRAINED INTER-STOREY FLASHING REQUIRED TO LIMIT CONTINUOUS CAVITY CONSTRUCTION TO TWO(2) STOREYS, GABLE END OR 7 METERS
2. IN EXTRA HIGH WIND ZONES INCREASE FLASHING UPSTAND TO 60mm MIN. AND USE A RIGID UNDERLAY
AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX
TIMBER LINTEL AS PER NZS 3604
INTERNAL LINING
FLEXIBLE FLASHING TAPE INSTALLED OVER WALL UNDERLAY AT CORNERS
AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX
ARCHITRAVE OR SLIMLINE DETAIL
TIMBER WINDOW HEAD - PROFILE TO NZS 3610

STOTHERM PANEL
FLASHING TAPE ONTO WALL UNDERLAY AND OVER ALU. HEAD FLASHING
STO uPVC VENTED BASE CAP WITH MIN 5mm GAP
MIN. 5mm GAP REQUIRED E2/AS1 COMPLIANT HEAD FLASHING, WITH 15° SLOPE AND 10mm MIN COVER TO JOINERY AND 10mm FLASHING OR PROPRIETARY STOPENDS
STOTHERM RENDER SYSTEM
20mm DRAINED & VENTED CAVITY - BATTENS AT 300 - 600mm MAX. CTRS.
STOTHERM FIXING

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CONTINUOUS PACKING

MS SEALANT

20mm DRAINED & VENTED
CAVITY - BATTENS AT
300-400mm MAX CTRS.

WALL UNDERLAY
TURNED INTO
FRAMING REVEALS
AND TAPED AT
CORNERS

WALL UNDERLAY
TURNED INTO
FRAMING REVEALS
AND TAPED AT
CORNERS

FLEXIBLE FLASHING
TAPE INSTALLED OVER
WALL UNDERLAY AT
CORNERS

AIRSEAL ON PEF ROD
GAP 7.5-8mm APPROX

LINE OF JAMB
FLASHING

TIMBER WINDOW SILL
TO NZS 3610

E2/AS1 COMPLIANT SILL
FLASHING WITH
STOP-END, LAPPED
UNDER JAMB FLASHING

STOTHERM PANEL END
COVER WITH FLASHING
TAPE

STO uPVC 6mm
PREMESHED
FINISHING EDGE

MS SEALANT

20mm DRAINED & VENTED
CAVITY - BATTENS AT
300-400mm MAX CTRS.

STOTHERM RENDER
SYSTEM

STOTHERM PANEL END
COVER WITH FLASHING
TAPE

STO uPVC 6mm
PREMESHED
FINISHING EDGE

MS SEALANT

20mm DRAINED & VENTED
CAVITY - BATTENS AT
300-400mm MAX CTRS.

STOTHERM RENDER
SYSTEM

STOTHERM INSULATED FAÇADE SYSTEM

TIMBER WINDOW JOINERY - SILL DETAIL

ST 871

2017

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STOTHERM INSULATED FACADE SYSTEM

NK PVCu JOINERY - HEAD DETAIL

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Glue or bed flashing in place before rendering. STOTHERM render system.

Stolite uPVC jamb flashing.

Proprietary NK PVCu window system.

Ms sealant to jambs.

STOTHERM 20mm vh cavity batten.

Wall underlay.

Stotherm insulated facade system.

Nk PVCu joinery - jamb detail.

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1. IN EXTRA HIGH WIND ZONES
   INCREASE FLASHING UPSTAND TO
   60mm AND USE A RIGID UNDERLAY
2. 10mm MINIMUM HEAD FLASHING OR
    PROPRIETARY STOP ENDS
    REQUIRED

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STOTHERM SYSTEM

STOTHERM INSULATED FACADE SYSTEM

HOMERIT PVC JOINERY - SILL DETAIL

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NOTE: IF A TIMBER SCRIBER REQUIRED
EXTEND FLASHING ACCORDINGLY

STOTHERM INSULATED FACADE SYSTEM
EXT.CORNER RUSTICATED W'BOARD/STOTHERM - OPT 1

STOTHERM SYSTEM
ST 890
2017

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NOTE: IF A TIMBER SCRIBER REQUIRED
EXTEND FLASHING ACCORDINGLY

STOTHERM RENDER SYSTEM
STOTHERM 20mm VH CAVITY
BATTEN
STOTHERM PANEL
STOTHERM PANEL FIXING
STO uPVC 6mm FINISHING EDGE

RUSTICATED TIMBER WEATHERBOARDS OVER 20mm DRAINED CAVITY
E2/AS1 COMPLIANT FLASHING
STO uPVC END CAP

STOTHERM SYSTEM
STOTHERM INSULATED FACADE SYSTEM
INT.CORNER RUSTICATED W.BOARD/STOTHERM - OPT 2
ST 894
2017

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NOTE: IF A TIMBER SCRIBER REQUIRED
EXTEND FLASHING ACCORDINGLY

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RUSTICATED TIMBER WEATHERBOARDS TO NZS 3617 OVER 20mm DRAINED CAVITY

FLASHING TAPE LAPPED OVER HEAD FLASHING

CAVITY CLOSER POSITIONED TO GIVE 15mm MIN.DRIP EDGE TO CLADDING

MIN. 5mm GAP REQUIRED

E2/AS1 COMPLIANT FLASHING

1. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

MS SEALANT OR STO JOINT SEAL TAPE AS REQUIRED TO RENDER/FLASHING

20mm DRAINED CAVITY

STOTHERM PANEL

STOTHERM RENDER SYSTEM WITH 6mm PRE MESHED FINISHING EDGE. STO uPVC END CAP

1. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

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1. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

RIGID AIR BARRIER TO GABLE END
RUSTICATED TIMBER WEATHERBOARDS OVER 20mm DRAINED CAVITY

FLASHING TAPE LAPPED OVER FLASHING

H3.1 FRAMING TO ALIGN W. BOARD GABLE. CLOSE OFF WITH BOTTOM PLATE

CAVITY CLOSER POSITIONED TO GIVE 15mm MIN. DRIP EDGE TO CLADDING

ALU INTER-STOREY FLASHING STOPEND. 15° SLOPE & 35mm MIN. COVER

MS SEALANT TO RENDER/FLASHING

STOTHERM RENDER SYSTEM WITH STO 6mm PREMESHED FINISHING EDGE. STO uPVC END CAP

STOTHERM PANEL FIXING

20mm DRAINED CAVITY

STOTHERM PANEL

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