

F30 ACCESSORIES/SUNDRY ITEMS FOR BRICK/BLOCK/STONE WALLING

To be read with Preliminaries/General conditions.

CAVITIES

- 110 CONCRETE FILL:
Concrete mix to BS 5328:
Type of mix: Lean Mix
Workability: High.
Fill cavities with concrete **ONLY WHERE INDICATED ON DRAWINGS** to level as indicated on drawing maintaining a minimum of 150 mm between top of fill and ground level dpc.
- 120 CLEANLINESS: Clean off surplus mortar from joints on cavity faces as the work proceeds. Keep cavities, ties and dpcs free from mortar and debris with laths or other suitable means.
- 130 WEEP HOLES: Leave perpend at not greater than 1000 mm centres completely open in the masonry course immediately above base of cavity, external openings and stepped dpcs. Provide not less than two weep holes over openings.
- 131 WEEP HOLES IN BLOCKWORK TO BE RENDERED:
 - Form with plastic perpend units **WITH DRIP** to manufacturer's recommendations at not greater than 1000 mm centres immediately above base of cavity, external openings and stepped dpcs. Provide not less than two weep holes over openings.
- 150 CAVITY INSULATION:
Insulation: U value of 0.16 created by xtratherm, xtroliner XO/ wall 110 thick in a cavity of 150mm
- 160 AIR BRICKS:
 - To BS 493, Class 1, built in as the work proceeds.
 - Manufacturer and reference: Glidevale. Richmond Building Products 01 412 4600
 - Material/colour: Terracotta.
- 171 VENTILATION DUCTS: SEE ALSO MECHANICAL DRAWINGS AND SPECIFICATION:
 - Manufacturer and reference: Glidevale. Richmond Building Products 01 412 4600
 - Install across cavity, sloping away from inner leaf, bedding fully in mortar to seal cavity.
 - Form a stepped dpc cavity tray above duct, extending 150 mm on each side and with stop ends.
 - Material/colour: Terracotta.cavity.
- 180 CAVITY CLOSERS FOR WINDOW JAMBS:
Manufacturer and reference: Rockwool, Rockclose insulated DPC cavity closer with side lap. 75mm thickness to be installed.
Contact Details:
 - To be installed in accordance with full fitting recommendations supplied with Rockclose.

REINFORCING/FIXING ACCESSORIES

- 212 WALL TIES FOR EXTERNAL WALLS:
 - To DD 140-2, type: 1
 - Manufacturer and Reference: Ancon Building Products: SD1.
 - Contact Details: ANCON CLARK, Tel: 0044 (0) 114 275 5224 , www.anconcl.com
 - Material/finish: Stainless Steel grade 304.

- Size(s): 300mm for 150mm cavities.
- Drip position: central.
- Minimum embedment: 65mm.
- Accessories: To be supplied with insulation retaining clips for insulation to spec ref F30/152, bellow DPC.

214 WALL TIES FOR MOVEMENT JOINTS:

- Manufacturer and Reference: Ancon Building Products: PPS 150mm with de-bonding sleeve.
- Contact Details: ANCON CLARK, Tel: 0044 (0) 114 275 5224, www.anconcl.com
- Material/finish: Stainless Steel grade 304.
- Size(s): 150mm

215 HEAD RESTRAINT TIES FOR BLOCKWORK WALLS:

- Manufacturer and Reference: Ancon Building Products: SP13, 125mm
- Contact Details: ANCON CLARK, Tel: 0114 275 5224, www.anconcl.com
- Material/finish: Stainless Steel grade 304.
- Size(s): 125mm.

225 FIXING TIES IN MASONRY CAVITY WALLS:

- Bed not less than 65 mm into bed joint of each leaf.
- Slope slightly downwards towards outer leaf with drip centred in the cavity and pointing downwards. Do not bend ties to suit coursing.
- Evenly space at 900 mm horizontally, staggered in alternate courses, and at 450 mm centres vertically, unless specified otherwise.
- Provide additional ties within 225 mm of reveals of unbonded openings

228 FIXING TIES IN MASONRY CAVITY WALLS WITH FULL FILL CAVITY INSULATION:

- Bed not less than 65 mm into bed joint of each leaf.
- Slope slightly downwards towards outer leaf with drip centred in the cavity and pointing downwards. Do not bend ties to suit coursing.
- Evenly space at 900 mm horizontally, staggered in alternate courses, and at 450 mm centres vertically, or to suit the size of the insulation batts.
- Provide additional ties within 225 mm of reveals of unbonded openings.

241 WALL STARTERS/CONNECTORS:

- Manufacturer and Reference: Ancon Building Products: 36/8.
- Material/finish: Stainless Steel grade 304.
- Tie: PP36 with debonding sleeve.
- Size(s): 100mm.
- Fixing: Plugged and screwed at max. 300mm centres with 75mm no.10 SS screws.

270 JOINT REINFORCEMENT FOR RENDERED BLOCKWORK

- Stainless steel wire to BS 5628 pt 2: 1995
- Manufacturer and Reference: Ancon Building Products: SMR 60.
- Material/finish: Stainless Steel.
- Size(s): 2no. 4mm wires 60mm width; 2.52mm cross wires at 500mm pitch.
- Drip position: central.
- Lay on an even bed of mortar in a continuous strip with 225 mm laps at joints and full laps at angles. Keep back 20 mm from face of external work, 12 mm back from face of internal work and finish mortar

joint to normal thickness.

- Locations: 2 courses above and below each opening, extending min 450mm beyond the opening.

FLEXIBLE DAMP PROOF COURSES/CAVITY TRAYS

330 DAMP PROOF COURSE:

- Manufacturer and reference: Ruberoid ; Hyload Pitch-polymer.
Contact Details: 0044 (0)7774 983 243 , www.ruberoid.co.uk

340 FLEXIBLE SHEET CAVITY TRAYS:

- Manufacturer and reference: Ruberoid ; Hyload Pitch-polymer.

380 PREFORMED DPC/CAVITY TRAY JUNCTION CLOAKS/ STOP ENDS:

- Manufacturer: Ruberoid
- Seal all laps with dpcs and/or cavity trays using adhesive/mastic/torching in accordance with manufacturer's recommendations to ensure a fully watertight installation.

390 JUNCTIONS/STOP ENDS FORMED IN SITU:

- Where preformed junction cloaks/stop ends are not specified form three dimensional changes of shape in dpcs and/or cavity trays carefully and neatly to ensure a fully watertight installation, using folds wherever possible to achieve the required shape.
- Seal all laps using adhesive/mastic/ torching in accordance with manufacturer's recommendations.
- Preformed junction cloaks/stop ends may be used in lieu, subject to approval.

INSTALLATION OF DPCS/CAVITY TRAYS

400 COLD WEATHER WORKING: In cold weather warm dpc rolls before unrolling, to avoid cracking.

415 HORIZONTAL DPCS:

- Lay in continuous lengths on a full even bed of fresh mortar, with 100 mm laps at joints and full laps at angles.
- Width of dpc to be at least full width of masonry leaf unless otherwise specified. Do not cover edges of dpc with mortar.
- Where there are separate dpcs in each leaf of a cavity wall, ensure that edges do not project into the cavity.
- Immediately lay at least one further course of masonry on a thin even bed of fresh mortar. Keep finished joint thickness as close to normal as practicable.

425 GROUND LEVEL DPCS: Ensure continuity of dpc with damp proof membrane.

435 STEPPED DPCS: Where dpcs are installed in external walls on sloping ground, ensure that they are never less than 150 mm above finished ground level.

445 SILL DPCS to be in one piece and turned up at the back if the sill is in contact with any part of the inner leaf.

455 COPING/CAPPING DPCS:

- Bed dpcs and copings/cappings in one operation to ensure maximum bond between masonry units, mortar and dpc.
- Provide rigid support for dpcs in cavity walls.

475 CAVITY TRAYS FORMED IN SITU: Dpcs which span cavities to prevent the downward ingress of water

to be:

- Accurately formed to the profiles shown on drawings, and firmly secured.
- In unjointed lengths wherever possible, otherwise lapped at least 100 mm and sealed using adhesive/mastic/torching in accordance with manufacturer's recommendations to ensure a fully watertight installation.
- Fully supported over the cavity, when horizontal, by a cavity closer.
- Prevented from sagging when stepped up towards the inner leaf.
- Carefully cleaned to remove debris and mortar droppings before they set.
- Carefully protected from perforation and other damage.

485 CAVITY TRAYS OVER OPENINGS AND OTHER CAVITY BRIDGINGS to extend not less than 150 mm beyond ends of lintels/ bridgings.

515 FACEWORK: Keep leading edge of dpcs/cavity trays flush with face of wall. Do not bridge with mortar.

560 VERTICAL DPCS to be in one piece wherever possible; otherwise overlap by not less than 100 mm with upper piece outermost.

570 JAMB DPCS: Ensure that dpcs to jambs of openings:

- Fully lap behind cavity tray/lintel at head and over horizontal dpc at sill.
- Project not less than 25 mm into cavity.
- Are in full contact with frames.

JOINTS

610 MOVEMENT JOINTS WITH SEALANT:

- Filler: Polyethylene foam
Build in as the work proceeds ensuring no projections into cavities and correct depth of joint to receive sealant system. Thickness of filler to match design width of joint.
- Sealant: Polysulphide
Colour: Terracotta
Prepare joints and apply sealant as section Z22.

630 CONTRACTION JOINTS which will not be exposed to view to be close-butt joints formed as the work proceeds.

650 POINTING IN FLASHINGS: Remove dust, lightly wet and neatly point with mortar specified for walling. Ensure joint is completely filled and finish flush.

660 PINNING UP TO SOFFITS: Completely fill joint at top of loadbearing walls with mortar, well rammed into position using temporary shuttering.

PROPRIETARY SILLS/LINTELS/COPINGS/DRESSINGS

750A PREFABRICATED STEEL LINTELS:

- See Structural Engineers Spec.
- Bed on mortar used for adjacent work with bearing of not less than 150 mm unless specified otherwise.

760 PROPRIETARY PRE-CAST CONCRETE LINTELS:

- See Structural Engineers Spec.
- Bed directly on clean blockwork adjacent with bearing of not less than 150 mm unless specified

otherwise.

- 830 BUILDING IN FRAMES: Adequately support and protect frames permitted to be built in, to prevent distortion and damage. Remove horns from frames and fully bed cramps in mortar.
- 840 TEMPLATES: Where frames are not to be built in (specified elsewhere) form openings using rigid templates accurately fabricated to the required size.
- 850 WALL PLATES: Bed solid in mortar to give a level top.