

# METHOD STATEMENT

## 1. Introduction

This method statement is split into two parts. **Part 1** will address and detail the correct application of CM3 Waterproofing and Damp-proofing Mesh Membrane in above ground applications. **Part 2** will be split into finishing applications **A, B** and **C** which will detail the application method for **A - Bond and Skim Finish, B - Dot and Dab Plaster Board Finish and C - Rendering and Skim Finish.**

**Please Note:** The application of CM3 Waterproofing and Damp-proofing Mesh membrane may vary depending on the chosen finish. These differentiations will be detailed at the relevant stages.

This method statement should be used in conjunction with a relevant Risk Assessment. The content of the Risk Assessment should reflect an analysis of the membrane application and finishing process, the recommendations of the Wykamol's Data Sheets, and where the product is not manufactured by the Wykamol Group, the relevant Data Sheets should also be followed. Please carefully study these Risk Assessments and all Technical Data sheets before commencing application.

## 2. Preparation

We advise that all Technical Data Sheets and Safety Data Sheets for products not manufactured by the Wykamol Group are extensively studied prior to following the instructions in this method statement, and kept to hand throughout.

For ease of application, we recommend having two appropriately trained installers when applying cavity drain membranes, although it is possible to complete with one trained installer.

**Please Note:** When completing application Part 2 C - Rendering and Skim Finish, we advise that the sand and lime is mixed 24 hours prior to application. Cement is then added when ready for application. The render mix should be prepared at the following ratio -  
1 part lime : 1 part cement : 6 parts clean, well graded, sharp sand.

This preparation is preferable but not essential and the complete mix of all 3 components can occur on the day of application.

### 3. Tools, Materials and PPE

#### Tools:

- Good quality 110V SDS Hammer Drill
- Rubber Mallet or Club Hammer
- Stanley Knife with spare blades
- Cutting shears
- Tape Measure
- Long Spirit Level
- 8 mm SDS Drill Bits
- Clean Rags
- Drywall or Plasterboard Saw
- Mixing Paddle
- Mixing Bucket
- Plastering Float and Board
- Wire Scratcher
- Warm Air Gun (optional)

#### Materials:

- CM3 Mesh Membrane 1 m x 10 m
- Wykamol Fibre Tape
- Wykamol Double Sided Tape
- Wykamol CM Plaster Plugs
- Wykamol CM Plaster Plug Seals
- Gyproc DriWall Adhesive (or similar - must be moisture resistant)
- Thistle Multi-Finish Plaster (or similar)
- Thistle Bonding Coat (or similar)
- British Gypsum Plaster Board (or similar)

#### Personal Protective Equipment

- Hard Hat
- High Visibility Jacket
- Protective Eyewear
- Facemask / Dustmask
- Steel Toe Cap Boots

#### 4. PART 1 - CM3 Waterproofing and Damp-proofing Mesh Membrane Application

1. Measure the wall area to which the CM3 Mesh Membrane will be applied.
2. The membrane will be hung in long, vertical strips from ceiling to floor, as you would apply wallpaper. Bear this in mind when cutting the membrane to size. Cut the membrane to the correct size using shears.
3. Membrane is applied with studs facing the wall and mesh facing outwards. Starting at the top of the membrane strip, drill an 8 mm hole, to a depth of 65 mm, through the centre of the stud where the first fixing is required.
4. In above ground applications, Wykamol CM Plaster Plugs are used to fix the mesh membrane in place. When applying the membrane to a wall with visible signs of dampness, ensure the CM Plaster Plugs are installed with the tailor made waterproof seal around the head. Drive the fixing home with a rubber mallet or club hammer.
5. Centres between fixings should be no larger than 250 - 300 mm in size. **N.B.** If a render finish is to be used on the mesh membrane, centres should be no larger than 150 mm. When applying fixings, ensure the membrane remains tight to the wall so that subsequent finishes can be applied smooth.
6. Repeat steps 3-5 with the second vertical strip of membrane. Do not overlap the membrane strips, ensure they are butt jointed ready for sealing with appropriate tapes.
7. Apply Wykamol Fibre Tape, neatly and evenly, along the butt joint where the two membrane strips meet. In cold conditions, use a warm air gun to ensure complete adhesion of the tape to the membrane.
8. Do not bend CM3 Mesh Membrane around internal or external corners. Cut the membrane at the corner and butt joint with another membrane strip. Seal with fibre tape as in Step 7. The same steps should be taken when applying CM3 Mesh Membrane around window and door reveals.
9. Repeat steps 3-7 until all walls are covered in CM3 Mesh Membrane.

Ensure these application instructions are installed in conjunction with the relevant Risk Assessment Document.

## 5. PART 2A - Application of Direct Bond and Plaster Skim Finish on to CM3 Mesh Membrane

**Please Note:** Plastering should be completed in accordance with good plastering practice, as described in BS 8481:2006, BS EN 13914-2:2005

For dot and dab plaster board finishes please see **PART 2B**.

For render finishes please see **PART 2C**.

1. Using a clean mixing paddle and bucket, prepare the Thistle Bonding Coat, as per manufacturers instructions.
2. Apply a scratch coat with the Thistle Bonding Plaster at a depth of 6 - 7 mm. Ensure the plaster is well worked into the mesh, using a wire scratcher if necessary, and leave to dry for approx. 24 hours. Any hairline cracking should occur at this stage as the plaster bonds with the mesh and dries out.
3. Apply a second coat of Thistle Bonding Plaster at 6 - 7 mm. Lightly scratch the coat ready for skim finish and leave to dry for approx. 24 hours.
4. Using a clean mixing paddle and bucket, prepare the Thistle Multi-Finish Plaster, as per manufacturers instructions.
5. Apply the top coat at a 2 mm thickness.
6. Ensure the plaster has completely dried out before applying decorative finishes.

Ensure these application instructions are installed in conjunction with the relevant Risk Assessment Document.

## 6. PART 2B - Application of Dot and Dab Plaster Board with Plaster Skim Finish on to CM3 Mesh Membrane

**Please Note:** Plastering should be completed in accordance with good plastering practice, as described in BS 8481:2006, BS EN 13914-2:2005.

Please also make reference to application of dabs in documents BS 8212 and BS 8000.

For Direct Bond and Plaster Skim Finish please see **PART 2A**.

For render finishes please see **PART 2C**.

1. Measure the wall area to which the plaster board will be applied. Cut the board down to size using a Drywall or Plasterboard saw.
2. Using a clean mixing paddle and bucket, prepare the Gyproc DriWall Adhesive, as per manufacturers instructions. Only mix enough adhesive for one plasterboard at a time to ensure the adhesive stays fresh and ready for use.
3. Apply dabs of the adhesive in a regular pattern on the CM3 Mesh Membrane. The dabs of adhesive should cover 50% of the membrane and give a minimum contact area of 20% between the board and the mesh. Dabs should be approx. 25 mm wide and 50 mm thick.
4. While the adhesive is still wet, push the plaster board onto the dabs and gently tap the board with a Rubber Mallet or Club Hammer. The board should now adhere to the membrane without support.
5. Place a long spirit level along the face of the board and gently tap and adjust the board until level.
6. Repeat steps 2-5 until all the mesh is covered with plasterboard. Please refer to manufacturers instruction for drying time of adhesive.
7. Using a clean mixing paddle and bucket, prepare the Thistle Multi-Finish Plaster, as per manufacturers instructions.
8. Apply the top coat at a 2 mm thickness.
9. Ensure the plaster has completely dried out before applying decorative finishes.

Ensure these application instructions are installed in conjunction with the relevant Risk Assessment Document.

## 7. PART 2C - Application of Render and Plaster Skim Finish on to CM3 Mesh Membrane

**Please Note:** Plastering should be completed in accordance with good plastering practice, as described in BS 8481:2006, BS EN 13914-1:2005.

1. As per PART 1 - 'CM3 Waterproofing and Damp-proofing Mesh Membrane Application' - CM Plaster Plug fixings should have been applied with centres no larger than 150 mm. Check this is the case before commencing render application.
2. Mixture preparation - It is best to mix the sand and lime 24 hours before use. Cement is then added when ready for application.
3. Using a clean mixing paddle and bucket, prepare the render mix at the following ratio - 1 part lime : 1 part cement : 6 parts clean, well graded, sharp sand.
4. Apply the scratch coat at 6 - 7 mm. Ensure the plaster is well worked into the mesh, using a trowel if necessary, and leave to dry for approx. 7 - 10 days. Drying times may vary depending on atmospheric conditions.
5. After drying time, repeat steps 2 - 3 and apply a second coat, at 6 - 7 mm. Lightly scratch this coat ready for top coat application. Leave to dry for approx. 7 - 10 days.
6. Once the render is fully cured, multi-finish can be applied. Using a clean mixing paddle and bucket, prepare the Thistle Multi-Finish Plaster, as per manufacturers instructions.
7. Apply the top coat at a 2 mm thickness.
8. Ensure the plaster has completely dried out before applying decorative finishes.

Ensure these application instructions are installed in conjunction with the relevant Risk Assessment Document.