

# External Wall Construction

Remove Precast wall from delivery truck



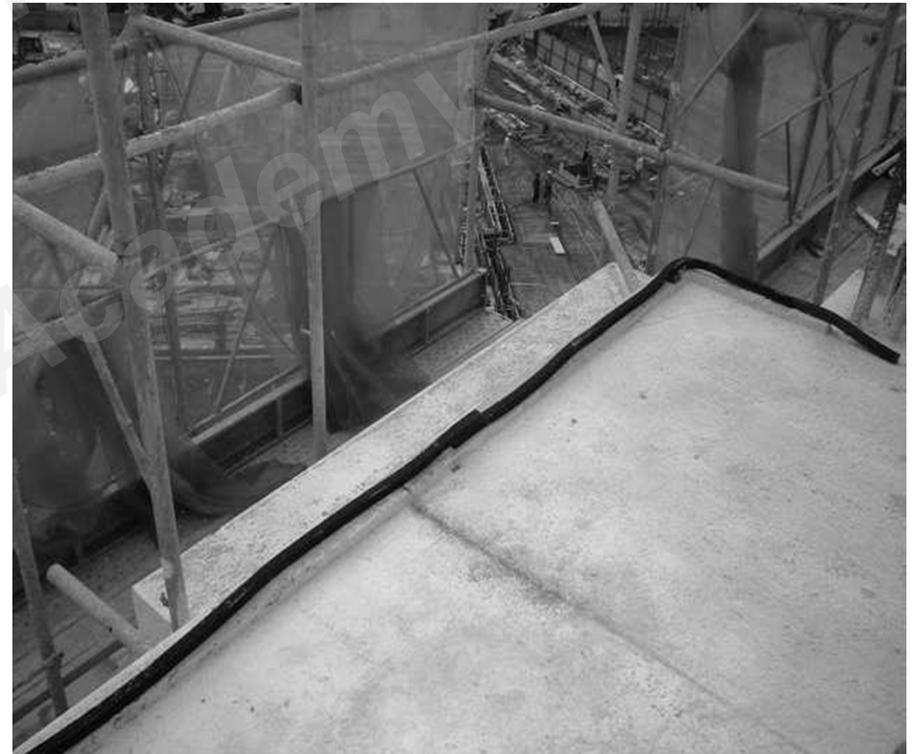
# External Wall Construction

Raise the PC wall to  
the required  
height and  
orientation



# External Wall Construction

Position compressible  
waterproofing strip  
at joint



# External Wall Construction

Apply non-shrink grout



# External Wall Construction

Lower Precast wall  
into position



# External Wall Construction

Adjust position of  
precast wall



# External Wall Construction

Install strutting



# External Wall Construction

Verify plumb  
and adjust if necessary



# External Wall Construction

Remove excess grout  
infill after precast  
wall is erected



# Casting of Wet Joints

Prepare continuity bars  
of wet joints



# Casting of Wet Joints

Set up formwork  
for casting



# Sealing of Joints

Concrete surfaces to be :

Clean and free from contaminants

Primer where required

Use of backing material or bond breaker to  
avoid three-sided adhesion

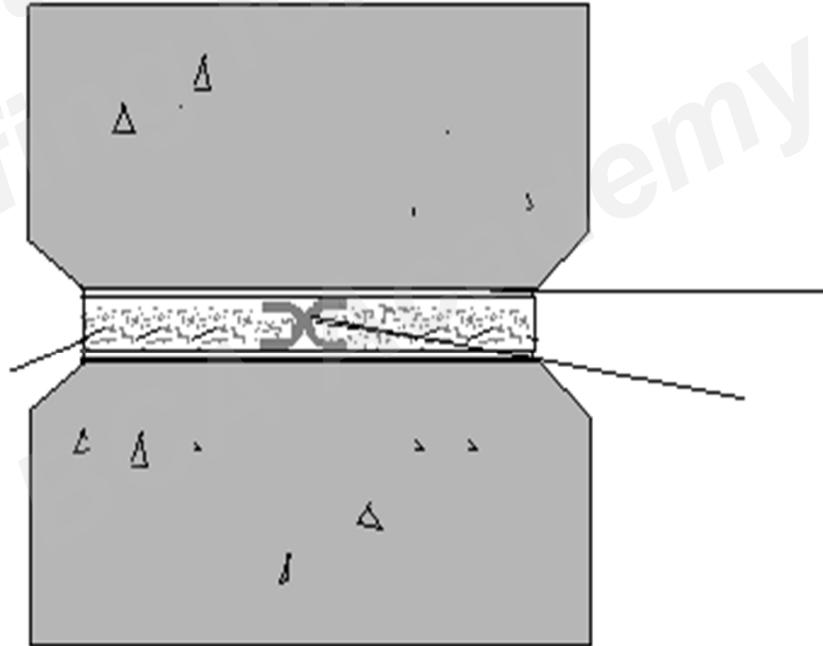
# Tools for sealant application



# Cast-in-situ Wall

Concrete walls are generally watertight when the concreting procedures are applied, especially formwork and bracing requirements.

# Form tie sleeve hole patching



Bricklaying

Proper co-ordination

Setting out with other works

Scaffolding

# Laying of Bricks

Use pre-packed mortar mix

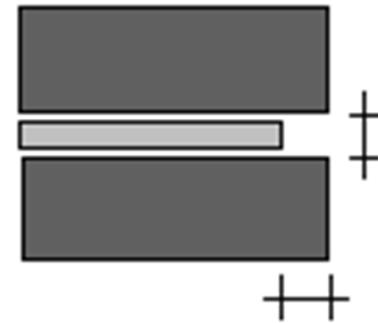
Bricks are porous  
and absorb moisture

Manage thickness  
of joints [10mm]



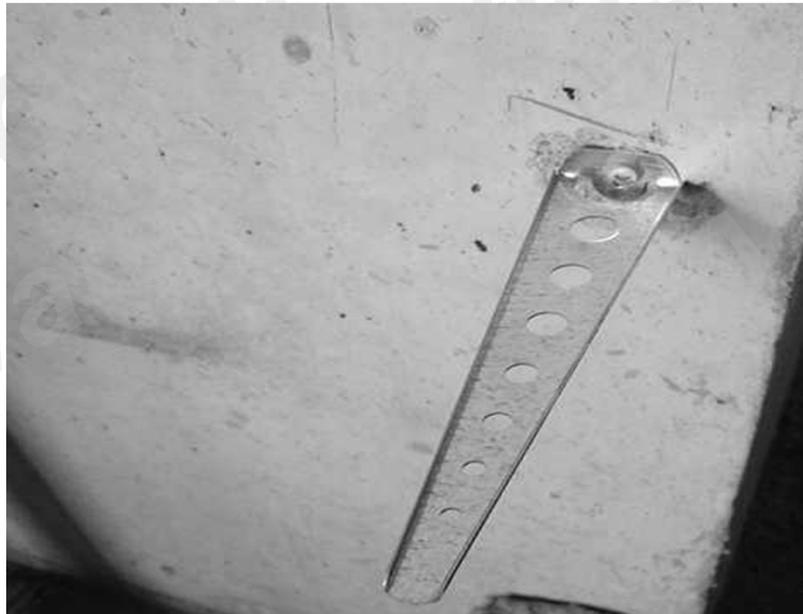
# Plastered Brickwall

Joints raked to a depth of 10mm  
[while green] form a key  
for plaster



# Bonding Bars

Bonding bars fixed to concrete  
and embedded at every 4<sup>th</sup> course



# Brick reinforcement & Lintel

Mesh reinforcement at 4<sup>th</sup> course

Lintel for window opening



# DPC Installation

DPC to be laid on bed of fresh mortar

To cover width of brick

Prompt laying of the next layer of mortar and brick for good

adhesion



# Others

Mesh around Door frame

RC stiffeners with tie bar at 4<sup>th</sup> course



# Completing Works for Bricklaying

Gap at top course of brickwork

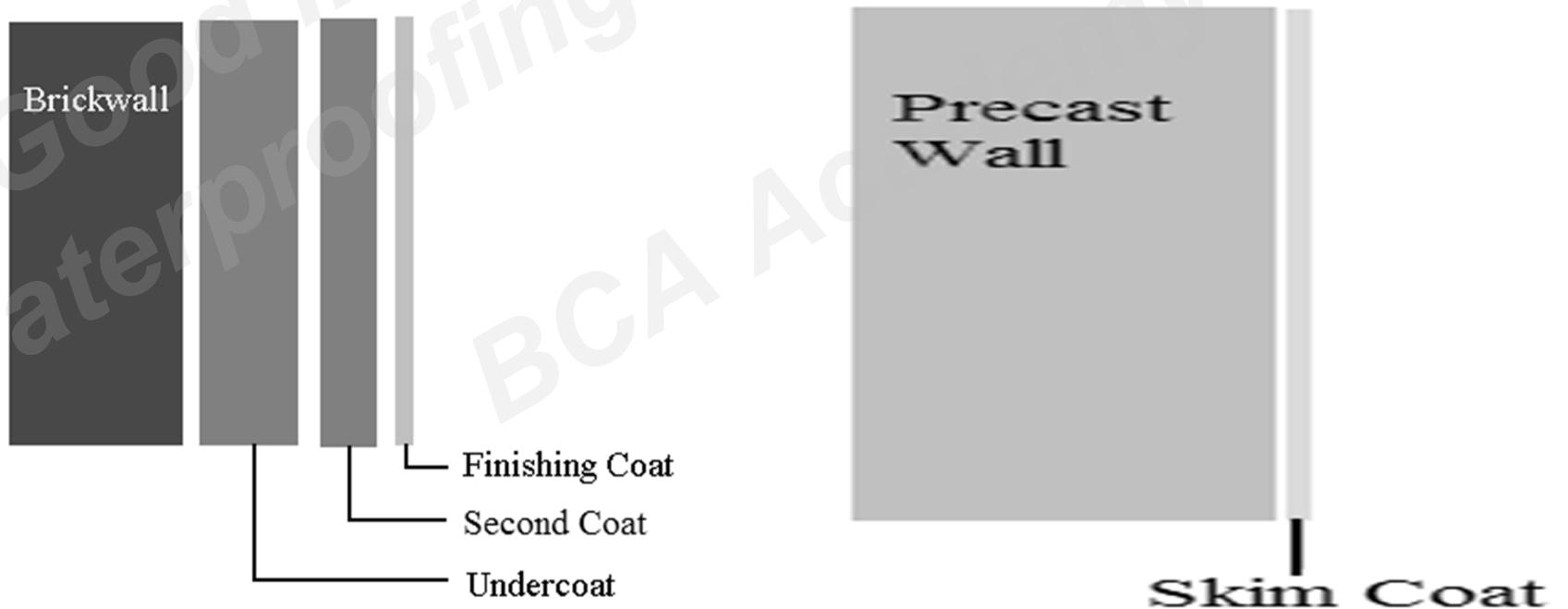


Filling of gap



# External Plaster / Finish

Extent of finishing treatment required



# Window frame interface

Fill gap between frame and wall with mortar



Gunning sealant after plastering



# Joints between Dissimilar Material

Render to brick-  
RC joint

Apply waterproofing

Mesh & render



# Splatterdash Coat

For cast-in situ RC wall

This is to provide keying  
for good adhesion of plaster

Bonding agent can also be used

Before splatterdash application



# Application of Plaster

Terminating plaster works at groove line, casing beads, corners or other acceptable intersection for better finishing



# Application of Sealer

Recommended to apply sealer after plastering works and prior to painting works

