

TILE INSTALLED IN STEAM ROOMS

321SR-2019-2021

DETAIL B – FRAME CONSTRUCTION

SUITABLE SUBSTRATES

- Wood or metal studs maximum 406 mm o.c.

MATERIALS

- 13 mm minimum thickness cementitious backer unit (CBU).
- MORTAR BED AND BOND COAT – Single or two component liquid latex-Portland cement mortar (minimum acceptable standard ANSI A118.4 or ISO 13007 C2S1).
- GROUT – per manufacturer's recommendations.
- VAPOUR RETARDER – per manufacturer's recommendations.

APPLICATION

- If tile being installed directly: use Detail 305W-2019-2021 Detail A on walls;
- if tile is being set over a waterproofing membrane follow manufacturer's recommendations.

OTHER CONSIDERATIONS

- Detail 311F-2019-2021 may be used provided that proper slope to drain is in the substrate.
- Drains should be designed to permit drainage of water at the tile surface and the surface of the waterproofing membrane. A drainage layer may be incorporated over the waterproofing membrane as recommended by the manufacturer. For drainage see Detail 326DR-2019-2021.
- Refer to Notes For The Professional and 301MJ-2019-2021.
- For high use showers and wet areas (hotels, gang showers, sports facilities etc.) a waterproof membrane shall be used.*
- All openings and cuts must be treated to ensure waterproof integrity.
- Refer to Detail 319SR-2019-2021 Detail B for drain.
- Waterproofing membrane if required must be specified. (ANSI A118.10) Follow manufacturer's recommendations.
- If waterproofing membrane is not specified a slurry bond coat must be applied to concrete slab.
- If required, an insulation layer should be used made of rigid polystyrene. Consult with manufacturer.
- Slope ceilings 150 mm per 1000 mm and floors 20 mm per 1000 mm.
- Considering that tile installation in Steam Rooms are very detailed. The installation shall be performed by skilled mechanics trained and experienced in tile work with a minimum of five years of proven experience in projects of similar size and scope. If requested by Consultant, installer shall provide a listing of previously completed projects of similar size and scope.
- A water test is strongly recommended before setting tile to verify a successful installation. Wait 24 hours minimum after the membrane installation is complete to allow for final set of thin-set mortar and ensure waterproof performance at seams and connections.

* For continuous steamrooms if the waterproofing membrane is acting as both the waterproofing membrane and the vapor retarder the waterproofing membrane must have a perm rating of .5 or less using ASTM E96 Procedure E with 90 % humidity. If the waterproofing membrane has a perm rating higher than .5 then a vapor retarder should be used that has a perm rating 1.0 or less when tested with ASTM E96 Procedure A.



Please refer to page 7.

B

