

# DRAINAGE SYSTEMS INTERIOR/EXTERIOR

## 326DR-2019-2021

### SUITABLE SUBSTRATES

- Concrete or masonry
- Exterior grade plywood
- Shower pan or waterproofing membrane over structural base
- Exterior deck over steel pan or suspended slab
- Wall constructed in accordance with Details 302W-2019-2021, 303W-2019-2021, 304W-2019-2021, 305W-2019-2021 A or B, 307W-2019-2021, 308W-2019-2021.

### MATERIALS

- TILE
- Waterproofing membrane ANSI A118.10.
- MORTAR BED minimum 20 mm to 51 mm sloped to drain. See Tile Guide Specification Section mixes 2.9.2.3 and 2.9.2.5.
- BACKING – Minimum 13 mm, Gypsum Board (ASTM C36), Cementitious Backer Unit (CBU) (ANSI A118.9), Coated Glass Mat Backer Board (ASTM C1178) or nominal 11 mm Fibre Cement Backer Board (ASTM C1288).
- BOND COAT – Dry set mortar or latex Portland cement mortar over mortar bed cured minimum of 24 hours.
- GROUT – Portland cement or Latex Portland cement
- TAPE – 51 mm wide fibre mesh tape
- Drain – With integrated bonding flange complying with CSA B-79(R2005) or double weep drain complying with equivalent CSA standard.

### APPLICATION

- Slope mortar bed a minimum of 2% (approximately 6 mm per 300 mm). Mortar bed thickness should not be less than 20 mm in thickness. Waterproofing membrane must turn up wall at least 150 mm for exterior applications and up the wall to shower head level for interior applications. Waterproofing membrane must completely cover integrated bonding flange. Drain grate to be set flush with the surface of the tile. Use sufficient bond coat to ensure minimum 95% contact. Contact shall be evenly distributed to give full support of the tile.

### LIMITATIONS

- Requires integrated bonding flange for bonded waterproofing membranes
- Interior applications waterproofing membrane must be used to the anticipated level of moisture exposure.
- Detail 304W-2019-2021 and 305W-2019-2021 (B) are not for exterior use.
- Detail 304W-2019-2021 must have waterproofing membrane installed on surface (ANSI A118.10).
- For high use showers and wet areas (hotels, gang showers, sports facilities etc. a waterproofing membrane to be used.
- All openings and cuts must be treated to ensure waterproofing integrity.
- For Detail B a drainage layer may be incorporated over the waterproofing membrane as recommended by manufacturer.
- Tile should be moisture resistant.
- Refer to Notes For The Professional and 301MJ-2019-2021.

