650 TRM
VERTICAL CONCRETE WALLS

1) **PREPARE SUBSTRATE**
   a. Substrate must be clean, smooth and dry. Remove all dust, dirt, and debris.
   b. Address rough areas/honeycomb voids by patching wall areas with mortar, grout, or approved sealant to smooth the wall surface.
   c. Remove fins and form match lines by grinding areas smooth.
2) **PRETREAT ALL DETAILS**
   a. Apply ¾" fillet at all inside corners and penetrations with Detail Sealant PW™, allow to skin over before proceeding to next step.
   b. Apply 12" pre-cut 650 TRM membrane strips centered on bottom of footers/inside corners/outside corners (follow detail # WPT3)
   c. Apply 12" pie-cut membrane squares around any penetrations through vertical walls (follow detail # WPT14)
   d. All control joints/construction joints/cracks/expansion joints should have appropriate expansion joint material as specified to provide the primary waterproofing seal. TRM waterproofing shall be the back-up waterproofing (follow detail # WPT11).
3) **APPLY LIQUID ADHESIVE/PRIMER**
   a. Use correct water based or VOC liquid adhesive for the project requirements. **Polyguard 650 LT Liquid Adhesive (California Sealant in some states)** or **650 WB Water Based Liquid Adhesive** @ a rate of approx. 250-300 sf per gal. Apply to the substrate via a roller or paint brush.
   b. Allow to dry or tack (approximately 15-20 minutes @ 70F and low RH).
   c. Concrete is ready when fingers are touched to liquid adhesive, and nothing transfers back to fingers.
4) **VERTICAL APPLICATION**
   a. Apply **650 TRM** in lengths up to 8' high. Apply in two or more sections on higher walls, overlapping the sheet by a minimum of 2.5".
   b. Precut **650 TRM** in desired lengths.
   c. Peel back 1-2' of the release liner, starting at top of wall adhere section and pull release liner downward and keep pressing into place.
   d. Roll membrane thoroughly to ensure full contact to wall and no air bubbles are present. Each additional sheet shall be overlapped following the dotted hash lines on the membrane, covering them completely.
   e. Terminations: Detail Sealant PW™, LM-95 or TRM Sealant or should be applied at all terminations at the end of each. Metal termination bar (by others) is highly recommended to prevent membrane from gathering moisture.
5) **VISUAL WORK INSPECTION**
   a. Review all work. Patch damaged areas or inadequately lapped seams with extra membrane extending a min of 6" around all sides of damage, and seal with Detail Sealant/Liquid Membrane around all sides (follow detail # WPT1).
6) **APPLY DRAINAGE COMPOSITE or PROTECTION as required**
   a. For vertical applications choose one of the following:
      i. **Polyguard Polyflow 15P** drainage and protection in one, each roll is 200 sf (4' x 50') sides shall be butted and not overlapped, each side has additional felt to lap onto the next side piece.
      ii. Asphaltic hardboards ¼" thick (6 mm) or two layers of 1/8" thick.
      iii. Rigid insulation boards, minimum of 1" thick extruded polystyrene or similar
   b. A variety of adhesives can be used to keep the protection boards in place against the waterproofing:
      i. Leftover liquid adhesives from the waterproofing
      ii. Liquid nails or similar sealants
      iii. Spray adhesives (cans or cylinder types)
      iv. Double sides tapes
7) **BACKFILL IMMEDIATLEY or within 15 days – waterproofing and protection boards cannot be permanently exposed to UV and should be covered ASAP**
   a. Backfill should be performed in small 6" lifts to prevent tugging on the waterproofing.