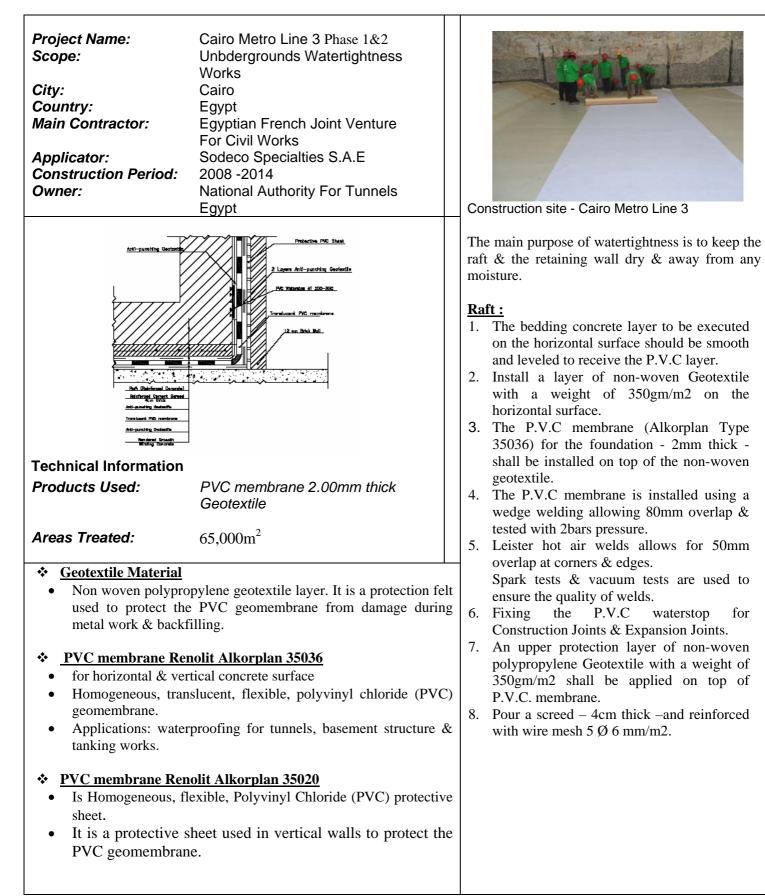


Cairo Metro Line 3 (Raft Level) - Egypt



for

Retaining walls

- 1. The concrete layer to be executed on the vertical surface should be smooth and leveled to receive the P.V.C layer.
- 2. Fixing the vertical P.V.C waterstop for Construction Joints & Expansion Joints on the wood work before pouring the concrete for the vertical walls.
- 3. Install a layer of non-woven Geotextile with a weight of 350gm/m2 on the vertical surface.
- 4. The P.V.C membrane (Alkorplan Type 35036) for the vertical wall 2mm thick shall be installed on top of the non-woven geotextile.
- 5. The P.V.C membrane is installed using a wedge welding allowing 80mm overlap & tested with 2bars pressure.
- 6. Leister hot air welds allows for 50mm overlap at corners & edges.

Spark tests & vacuum tests are used to ensure the quality of welds.

- 7. Two protection layers of non-woven polypropylene Geotextile, each with a weight of 350gm/m2 shall be applied on top of P.V.C. membrane as protection.
- 8. Install the protective P.V.C sheet (Alkorplan Type 35020) for the vertical wall 1.5mm thick on top of the non-woven geotextile.
- 9. Install the brick wall 12cm thick as a vertical protective layer.





