



**Rehabilitation and Expansion of Cairo International Airport -Terminal Building 2 - Egypt
EPDM membrane works**

Project Name: Rehabilitation and Expansion of Cairo International Airport - Terminal Building 2 (TB2)
Scope: EPDM membrane works
City: Cairo
Country: Egypt
Main Contractor: Limak Insaat
Applicator: Sodeco Specialties S.A.E
Construction Period: 2014 – Till date
Owner: Cairo International Airport



❖ **Geotextile Material**

- Non woven polypropylene geotextile layer. It is a protection felt used to protect the EPDM geomembrane from damage during the following works:



❖ **Firestone EPDM membrane**

- Used for horizontal & vertical concrete surfaces
- Firestone Roofing System is composed of large EPDM panels 9 m wide, adhesive mastics, sealants, cleaning agents, fasteners, and a variety of other roofing related products constituting a single source homogeneous system.

Technical Information:
Products Used: EPDM membrane
Geotextile
Areas Treated: 38,000m²



❖ **Method of statement :**

JOB SITE PREPARATION:

Prior to the installation of the roofing membrane the roof substrate should be checked

- To be very smooth, free from any sharp edges, clean and free from any oil or petrol spillage
- All up-stands should be same as the horizontal roof
- The groove on the parapet should be smooth
- All mechanical foundations, pipe sleeves, roof drains should be fixed prior to the membrane installation

Any defects on the above mentioned items should be corrected and the final surface has to be rechecked to meet the requirements previously outlined.



MEMBRANE INSTALLATION:

- Inspect the E.P.D.M roll for damage before and during installation. All membrane shall be unrolled, unfolded and positioned over the roof substrate without stretching. Prior to any attachment cutting or splicing each panel shall be allowed to relax.
- Cut a cross shaped opening above every drain to evacuate excess of pounding water in case of sudden rain falls.
- The E.P.D.M panels shall be installed in a way so that field & flashing splices are installed to shed water straight cuts are better for a neat and easy application
- Position adjoining sheets a min of 80mm overlap and allow to relax a minimum of 30minutes before seaming

