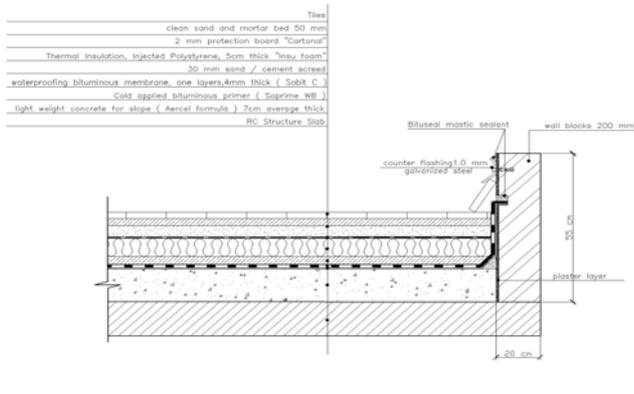




Cairo Festival City – Business Parks

Project Name: Cairo Festival City
Scope: Roofing System
City: Cairo
Country: Egypt
Vandex Applicator: Sodeco Specialties S.A.E
Construction Period: 2011
Consultant: ACG



Technical Information

Products Used: Aercel Formula
 Soprime WB
 Sobit C
 Insu - Foam
 Cartonal
 Sod Bituseal

Areas Treated: 5000 m²

❖ Aercel Formula

1. Light weight concrete up to 400kg/m³.
2. Insulating screeding material.
3. Effective slopes for proper drainage
4. Fireproof concrete.
5. High compressive strength up to 29kg/cm².
6. Average thickness will be 7cm.

❖ Soprime WB

A non-toxic water-based bitumen primer. It is used as a primer coat.

❖ Sobit C

modified APP torch applied bituminous waterproofing membrane

❖ Insu-Foam

Extruded polystyrene foam boards, closed cell structure linked to one another, and it is produced by a continuous fully automated extrusion process.

❖ Cartonal

manufactured of advanced plastic material. It is the product of intensive development in the plastic field. This Development aimed to puncture and chemical aggressive Agents, while maintaining flexibility and rigidity of the Board.

Roofing System

❖ Leveling screed/light weight concrete.

Leveling Screed/will be poured on flat concrete areas of the roof using light weight foam cellular concrete laid to (1.0 %) positive slopes towards the roof water outlets, with 70 mm average thickness, 400 – 500 kg/m³ average dry density, smoothly finished, using "Aercel formula" foaming agent.

❖ Water based bituminous primer.

Install one coat of water based bituminous primer "Soprime WB" with a rate of 0.3 Lt./m²

❖ Bituminous WP membrane

Install one layer of bituminous waterproofing membrane using "Sobit C", each 4mm thick, to be partially bonded by torch application.

❖ Thermal insulation.

Install Thermal insulation injected polystyrene boards, 50mm thick, loose laid. Ensure proper cutting at roof perimeter and around roof details using "Insu-Foam"

❖ Protection board

Install one layer of protection board 2mm

❖ **Termination of Membrane Skirting Upper Ends**

Metal flashing 1.0 mm thick, 50mm total girth mechanically fixed top edge to be sealed with "Sod Bituseal"