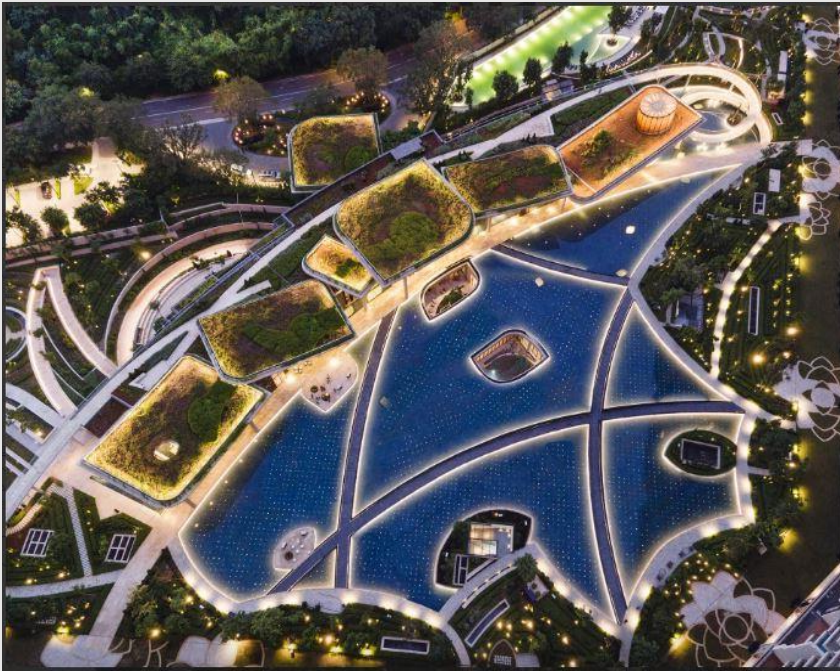


# DLF Camellias Gurugram

## Podium



## THE CAMELLIAS - LOVELY BLOSSOMS IN A SPECTRUM OF COLOURS

The DLF Golf Links are not just the artery of Gurugram but also reflect the aspirations of an ambitious India. Situated in the heart of it all, the first impression of The Camellias is not just its sheer expanse but a pioneering vision of a sustainable, self-sufficient community.

**The Camellias, which DLF has proudly announced is India's first residential project to be accredited with the LEED Platinum certification by the US Green Building Council, has many sustainability and energy conservation efforts.**

The Camellias architecture is aesthetically pleasing from the very first glimpse. Sixteen towers ranging from eighteen to thirty-eight stories create a distinctive profile against the setting sun, with the crowning tower that soars a brilliant one hundred fifty-six meters into the air.

The Camellias Club is the vision of six of the very best designers from across the world. Located in the highly sought-after millennium city Gurugram, The Camellias Club is unquestionably the first of its kind in the world in terms of scale, amenities, facilities and service. The Camellias sets a new standard for sustainable luxury living in India and is one of the most exciting and coveted residential addresses in the country

## Quick Facts

### Project scope:

- ❖ **India's first residential project with the LEED Platinum certification by the US Green Building Council**
- ❖ 10000 sqm of podium work carried out with 1.1 mm Firestone EPDM
- ❖ High visibility and prestigious project
- ❖ To deliver an excellent waterproofing to preserve water for seeping into the area
- ❖ **Principal Architect: Hafeez Contractor**
- ❖ **Consultant: MACE**

### Features of EPDM:

- ❖ Waterproofing membrane High elasticity (>300%)
- ❖ Long-term durability
- ❖ Large sheets reducing on site seaming (930 m<sup>2</sup>)
- ❖ Fast and easy installation
- ❖ Treating pipe penetrations, islands and waterfalls present in lake
- ❖ High flexibility (at high and low temperatures, as a result adapts to irregular shapes)
- ❖ High puncture resistance





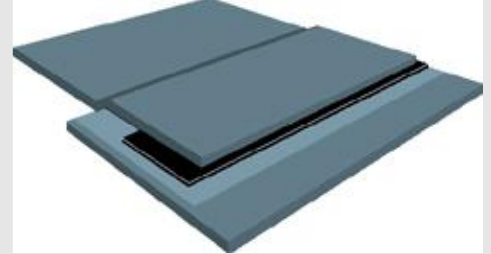
## Installation Process

Install the EPDM membrane loose laid on a suitable substrate as close to its final position as possible, and allow to relax a minimum of 30 minutes before attachment or splicing. Each panel shall overlap the adjoining one by 100 mm minimum. The EPDM membranes must be (temporarily) ballasted immediately after installation.

### SEAMING

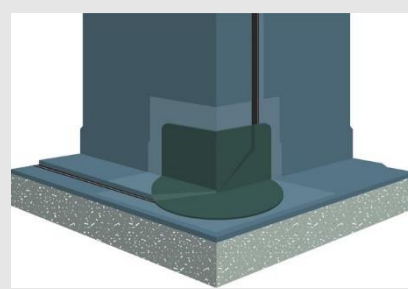
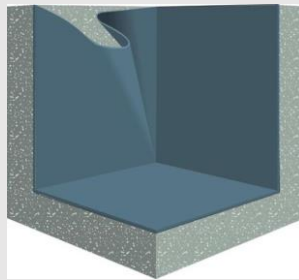
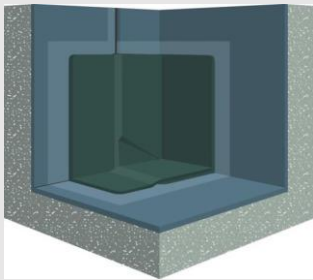
#### SPLICING

The membrane is joined with a 75 mm wide, self-adhesive Splice Tape and bonded using Primer. Roll seams with a 50 mm silicone rubber roller or the QuickRoller. Layout the EPDM membranes in a fashion so that field and flashing seams are installed to shed water.



### CORNERS

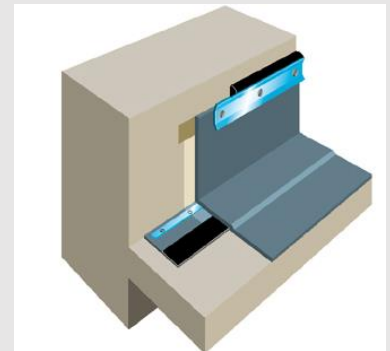
Internal and external corners are to be flashed using self-adhesive uncured FormFlash with Primer. All in accordance with DBS specifications. Preferable inside corners are being executed by folding and restraining the excess of EPDM membrane



### Wall Termination

#### Termination Bar

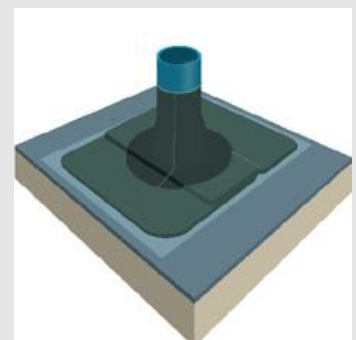
The membrane will be secured with a termination bar, used in conjunction with water repellent sealant Water Block between the membrane and the substrate under compression behind the termination bar, mechanically fixed at maximum 300 mm centers using appropriate fasteners. A bead of Lap Sealant is applied along the top edge of the termination bar.



### Pipe Penetrations

#### Self-adhesive uncured FormFlash

Field fabricated flashing of pipes is to be executed using Firestone uncured FormFlash, bonded using Primer. Apply a bead of Lap Sealant at all cut edges of flashing. This method is to be used where the top of the pipe is not accessible and/or the pipes are larger than 150 mm in diameter. All penetrations must allow flashing terminations of a minimum 150 mm above the roof membrane level



## WATER DRAINS

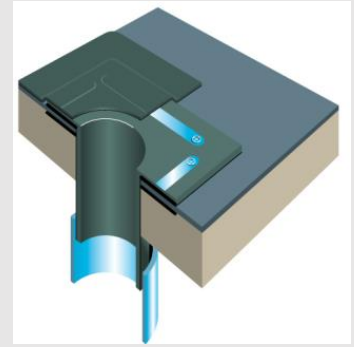
### RAINWATER OUTLETS INCORPORATING AN INSERT PIECE

The field EPDM membrane sheet must be in place prior to installation of the drain insert.

Cut a hole to the size of the insert piece, over the centre of the outlet. Install drain insert piece and apply a layer of Water Block between the flange of the insert piece and the EPDM membrane.

The flange of the insert piece must have a smooth structure and shall be fastened every 100 mm centers using an appropriate fastening system.

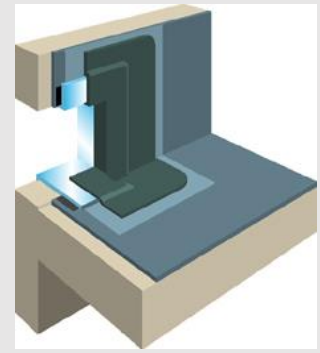
Flash over with uncured FormFlash, extending 75 mm minimum onto the field membrane and 75 mm past the fasteners. Cut a circular hole in the uncured FormFlash above the drainpipe 20 mm larger than the diameter to allow application of a Lap Sealant.



### THROUGH WALL SCUPPER OUTLETS

The field sheet must be in place prior to installation of the scupper insert. Set the welded scupper insert in Firestone water repellent sealant Water Block and secure to the structure with appropriate fasteners.

Flash with uncured FormFlash, overlapping all edges by 75 mm minimum and fastener heads 75 mm minimum. Finish the detail with Lap Sealant.



### EXPANSION JOINTS

The membrane can be loose-laid over a flat expansion joint in the roof deck. The elasticity of the membrane will accommodate for the movement of the structure.

### DRAINAGE LAYER

Drainage layer should be installed under the soil layer in soft landscaping area.

*For further information about waterproofing applications, please contact: DBS Building Products, Sri Sobha Sing Building, 5286-87, Shardhanand Marg Delhi-110006 Tel: 011-66308888/23216062 Email: [sales@dbsbp.com](mailto:sales@dbsbp.com)/  
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