

# Jaypee Greens Golf Course

## PondGard Lining



## Live Up A Golf-Centric Lifestyle

Jaypee Greens Greater Noida has created the life you have always desired to possess, having features, facilities, amenities at par with international standards. Indeed, a smart city, it is entwined amidst the 18-hole signature golf course designed by Graham Cooke & Associates. In addition to the 18-hole golf course it also has a 9-hole golf facility having 3 water bodies and 18 bunkers.

The **golf facility at Jaypee Greens is designed by ace golfer Graham Cooke** who is also one of Canada's most successful and renowned golf course architects. His team, comprising of an array of qualified professionals, specialized in golf course designing and have overseen the construction of over 100 golf courses across North America, Europe and the rest of the world.

These lakes do not only embellish the landscape, but provide irrigation water for the green areas. Excellent durability in extreme weather conditions, superior physical properties, high flexibility to adapt to the shape of the lakes and minimal environmental impact were just some of the characteristics that resulted in the choice of Firestone PondGard EPDM membrane for the lining of the lakes of Jaypee Greens golf Course in Noida.

After the excavation and compaction of the lakes were completed, the installation of the lining system was carried out by a Firestone authorized contractor, who had previous experience with the installation of more than 50.000m<sup>2</sup> of Firestone lining systems. This was required to ensure the high-quality lining work that needed to be delivered in a tight time frame. On the compacted soil substrate, a geotextile is first laid to provide extra

## Quick Facts

### Project scope:

- ❖ 18-hole Graham Cooke signet golf course
- ❖ 50000 sqm of PondGard lining 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 grounds
- ❖ **Client: Jaypee**
- ❖ **Consultant: Graham Cooke**

### Features of EPDM

#### PondGard:

- ❖ 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

puncture protection to the membrane. Two adjacent geotextiles were overlapped and welded to avoid movement under the PondGard membrane. 9m x 30m panels of PondGard membrane were selected for this project to minimise installation time and on-site seaming. All the details on the membrane such as membrane seams, pipe details are made as per Firestone specifications and using Firestone accessories. The membrane is then anchored along the edge of the lake using anchor trench method. During the execution of the lining works, the project was supervised by an experienced supervisor from the Firestone authorized contractor. There also was a continuous

support from DBS Building products (authorized Firestone distributor) during the design phase as well as during the installation of the lining system. A Firestone Contractor Services engineer has regularly visited the site for onsite training and to ensure that the installation was executed according to Firestone technical guidelines, providing peace of mind to the client and ensuring him that a high-quality, long-term lining solution was being achieved





**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) / [info@dbsbp.com](mailto:info@dbsbp.com)**