



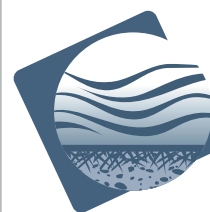
*At the Lab. In the Field.
By Your Side.*

CROWNE PLAZA TODAY HOTEL

Gurgaon, Haryana
India

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QUESTIONS: 604-324-8280 or www.kryton.com



**CONCRETE
WATERPROOFING**

BACKGROUND

Quality and aesthetic value of a building structure means everything in the hospitality industry. In the business district of Gurgaon, a new 5-star hotel was to be constructed starting November 2004, with plans to have the facilities operational at the earliest. Today Hotels Pvt. Ltd., a developer of both residential and commercial real estate properties, had visions of building the finest, most modern business hotel with features such as 37" plasma TVs with Bose music systems, individually controlled air conditioning and the Club Lounge, one of the largest meeting spaces in Gurgaon.

The 234-room hotel includes 15 suites, a below-grade extended basement and a swimming pool. In order to achieve their goal of opening the hotel at the earliest, Today Hotels needed a complete waterproofing solution that could be easily installed and not delay the construction process; yet provide proven and permanent results.

SOLUTION

Today Hotels Pvt. Ltd., developers of both residential and commercial real estate properties, have a very high quality of specification standards in all their developments. The architect, Rajendra Kumar Associates, had used Kryton's crystalline waterproofing products in previous projects, and decided to specify the products again in the Crowne Plaza Today Hotel. A wide range of Kryton products were used in the below-grade foundation, swimming pool, joints and external plaster.

Krystol Internal Membrane™ (KIM®), a cementitious admixture, was used in all below-grade walls and the swimming pool foundation and walls. Because KIM®



Side view of the Crowne Plaza Today Hotel during construction.



Side view of the Crowne Plaza Today Hotel in full operation today.

can be mixed into the transit mixer right at the site, it required no installation time and also reduced the risk of human error. Krystol T1®, a surface-applied slurry, was used in all the floor slabs and sunken slabs of the basement. Cold joints were treated with Krystol Baricote™, a fast-setting

PROJECT CASE STUDY

The Kryton Group of Companies.

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waterproof grout. In the external plaster of the hotel, Krystol® Mortar Admixture (KMA™) was used to protect the building from dampness accumulated during rainfall.

All these products use Integral Crystalline Waterproofing (ICW) technology to provide the world's only permanent, self-sealing, corrosion-free concrete waterproofing products. Unlike conventional waterproofing methods which involve applying a coating or membrane to the concrete surface, ICW technology permanently seals concrete through a unique chemical reaction. When added to the concrete, crystalline chemicals react with water to create long, narrow crystals which plug the natural pores and capillaries of the concrete, blocking the movement of water. It also reacts with incoming water to self-seal the cracks that inevitably develop in concrete, protecting structures against water and contaminants that can weaken or destroy concrete and corrode steel reinforcement.

By using the wide range of Kryton's waterproofing products, Skyline Contractors Pvt. Ltd. was able to cut down on costs and save 8 – 10 weeks of construction time, allowing the hotel to be fully open and operational in December 2006. By adopting the KIM® admixture into several areas, no extra time or labor was required for post-construction waterproofing. Similarly, where the surface-applied Krystol T1® was used, the application time was considerably less

than the installation time of a conventional waterproofing system. The developers and architects rest assured knowing that neither quality nor results were compromised by using a proven product line that could save them time and money.



LOCATION

Gurgaon, Haryana, India

OWNER

Today Hotels Pvt. Ltd.

ARCHITECT

Rajendra Kumar Associates

APPLICATOR

Kryton Buildmat Co. Pvt. Ltd.

CONTRACTOR

Skyline Contracts Pvt. Ltd.

The Kryton Group of Companies.

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