



## New Benazir Bhutto International Airport Islamabad Pakistan

Concrete Admixtures, Epoxy Grout, Floor Hardener,  
Cementitious Coating and Sealants

Sikament AG  
Sikaseal 105

Sikaflex Pro2 Hp  
Sikadur 41 Cf slow

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## New Benazir Bhutto International Airport, Islamabad Pakistan Construction of Terminal Building, Underpasses, Drainage Pipes, Water Works

### Project:

The New Benazir Bhutto International Airport also known as Gandhara International Airport is an under construction airport near Islamabad, Pakistan. The plan to construct a new airport for Islamabad was conceived in the late 1980s to deal with the problem of increased passenger load at the Benazir Bhutto International Airport. It is a joint project of Capital Development Authority(CDA), National Highway Authority (NHA) and the Civil Aviation Authority (CAA) and it has been designed by Louis Berger.

### Project Requirements:

The new airport is constructed on more than 3200 acres and consists of a passenger terminal building, runways, taxiways, apron and parking bays for wide bodied aircrafts. It is equipped to handle all types of aircrafts including the Airbus A-380. The project requirement included concrete super plasticizer with water reduction capacity for grouting of cables within pre-stressed cable ducts at the Terminal Building and underpasses. Another requirement was of roof waterproofing of the terminal building and sealing of expansion joints in the drainage pipes as well as the underpasses.

Sika was already working with Nespak and Habib construction there and they had a hands-on experience of Sika's product quality and smart solutions; therefore, the Contractor approached Sika for the right solution.

### Sika Solution:

Sika Sales Team provided them with a complete construc-

tion solution that fulfilled structural requirements. Sika Products proposed by the Sika Sales Team include:

- **Sikament 512 pk**, a concrete super plasticizer and high range water reducer to provide one percent expansion to cable grouting mortar within pre-stressed cable ducts.
- **Sikadur 41 CF slow**, to achieve the adhesion of more than 4 N/mm<sup>2</sup> and compressive of strength 75 N/mm<sup>2</sup>.
- **Sika Chapdur Premix**, a non-metallic floor hardener, added to concrete to increase resistance to abrasion .
- **Sikaseal 105**, cementitious water proofing coating that was used for terminal building.
- **Sikaflex pro2-HP**, polyurethane sealant used for their expansion joints in underpasses, drainage pipes, Aprons etc.

Project Name:

**NBBIA**

Project Owner:

**Civil Aviation Authority (CAA),  
Pakistan**

Consultant:

**Louis Berger**

Contractor:

**LTHJV, Siemens, ATL, CSECE,**

Sub Contractor:

**Habib Construction Services**

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