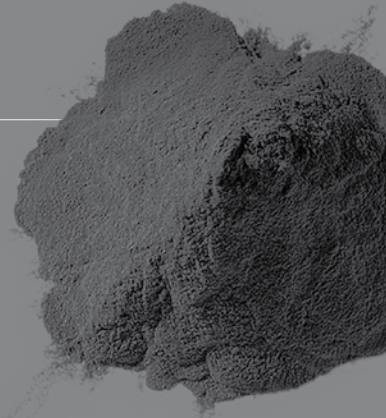
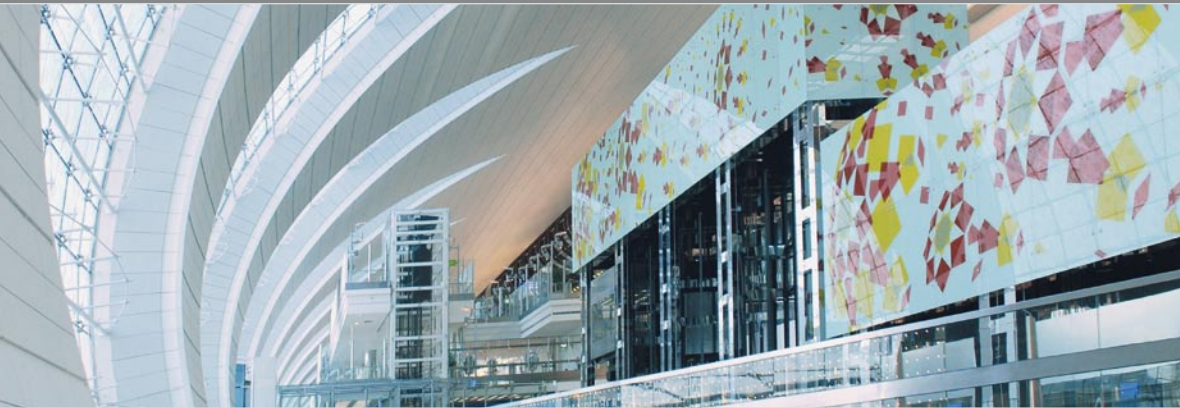


 Dubai International Airport
TERMINAL 3



With its impressive selection of shops, international restaurants, cafés and not least because of its unusual architecture, Terminal 3 in Dubai alone is worth a trip.



KARL BUBENHOFER AG

✈️ Dubai International Airport – Terminal 3 A Masterpiece of Modern Architecture

In the shortest time, Dubai International Airport has grown from an airfield to a famous lynchpin in modern aviation. Already more than 27 percent of all flights operate via Dubai International Airport.

The airport came into being in 1959 when Sheikh Rashid bin Saeed al Maktoum, later to become President, issued orders to build the first airfield. Today, it has become the most important hub in the Middle East.

20 destinations were flown to back in 1969 with nine different airlines. 40 years down the road, the figures look completely different.

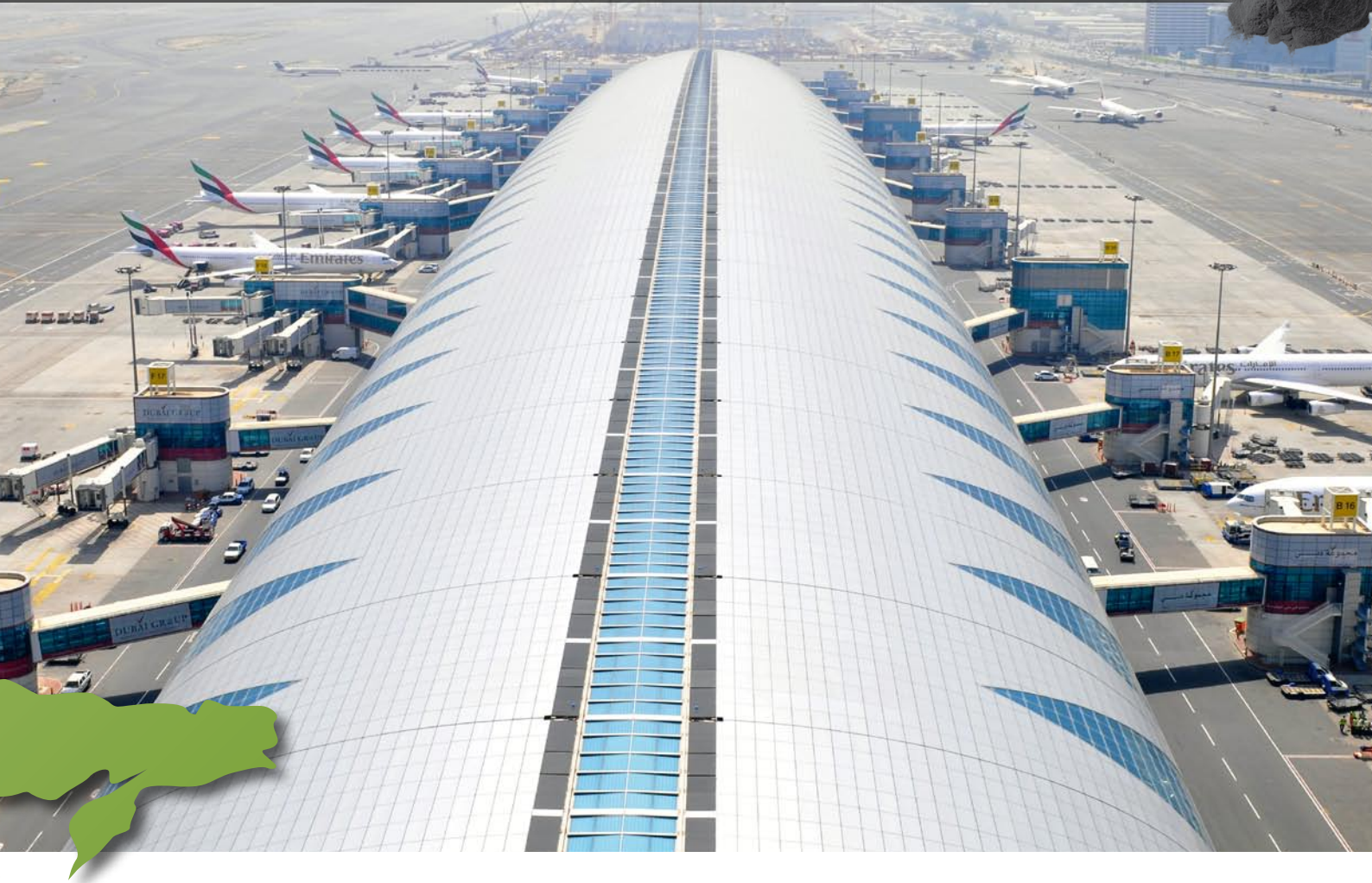
210 different destinations are flown to today with more than 123 different airlines.

Growth in passenger traffic 1988

1988	✈️	4.3 Million
1998	✈️	9.7 Million
2004	✈️	21.7 Million
2007	✈️	34.3 Million

Terminal 3 was opened officially on October 14 2008. The airport is set to reach an annual capacity of more than 60 million air passengers with the opening of this new terminal. In a further stage of the expansion, it is planned to extend the capacity of the airport to 75 Million passengers.





Facts & Figures – Terminal 3

- The construction costs amounted to 4,5 billion US dollars
- With an effective area of 1 million sq meters, Terminal 3 is one of the largest terminals in the world
- Some 10 million cubic meters of earth was moved for the underground construction
- The 4'500 sq meter departures hall accommodates some 126 economy counters, 32 first and business class counters and 10 counters for skyward premium passengers
- A separate floor 670'000 sq meters in size is set aside for lounges, 14 restaurants and two hotels
- The largest underground baggage system in the world
- 240'000 sq meter metal ceilings and metal wall claddings were needed, this equates to approximately 37 football fields
- 30 tons of POLYFLEX® powder coating was needed to cover the metal ceiling and wall claddings

✈️ Dubai International Airport – Terminal 3





240'000 m² Powder Coated Surface

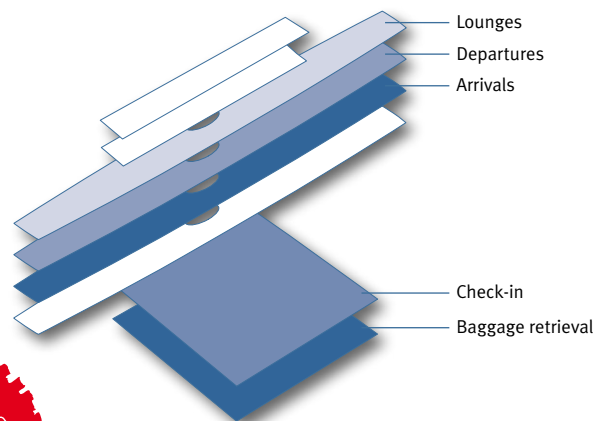
Terminal 3, which is used exclusively by the airline «Emirates», is the first terminal this century to uniquely offer so many services under one roof.

The entire building is split into five main levels; lounges, departures, arrivals, first class and economy class check-in as well as one level for baggage retrieval.

High quality metal ceiling panels from the company Armstrong were used in all levels, which were covered with various powder coatings from Karl Bubenhofer AG. In total over 240'000 sq meters of Swiss quality has been processed at Dubai airport.

The interior lining subarea was distinguished with the CISCA award for perfect and optimum quality design. It goes without saying that the POLYFLEX® powder coatings also made a considerable contribution to the overall impression.

Snap-in Ceiling	95'000 m ²
Interior Roof Lining	87'000 m ²
Metal Wall Cladding	54'000 m ²
Finger Docks	3'300 m ²
Health Club	2'100 m ²



✈️ Dubai International Airport – Terminal 3

Metal Wall Claddings
POLYFLEX® PES-140-SD



Swiss Powder Coating – Made from the finest ingredients

When we discovered that we at Karl Bubenhofer AG were to be allowed to handle a major project like the International Airport in Dubai, needless to say motivation was high.

Our experienced development department, which is involved day-to-day in enhancing the development of our POLYFLEX® powder coatings, was assigned the task for this special project of optimizing the powder coatings provided.

Three powder coatings emerged from this work made from the finest ingredients (raw materials), which also fulfilled the stringent requirements of the constructor.

The thin-layer powder coating **POLYFLEX® PES-50-DS** was used for the 95'000 m² snap-in ceilings. This coating is distinguished by its excellent characteristics and good all-round properties.

A new product with an optimally deep degree of gloss was created for the interior roof lining area. The **POLYFLEX® PUR-125-GU** powder coating was used for over 87'000 m².

The most stringent technical requirements were placed on the powder coating for the area of the metal wall claddings. This coating had to be scratch-proof and highly durable. Only one product came into question for this application area.

The highly weatherproof **POLYFLEX® PES-140-SD** fulfilled the stringent requirements and is ideally suited for this unusual application area (54'000 m²).

Interior Roof Lining
POLYFLEX® PUR-125-GU

Snap in Ceilings
POLYFLEX® PES-50-DS



KARL BUBENHOFER AG



Which requirements were placed on the POLYFLEX® powder coatings in Dubai Airport Terminal 3?

The requirements for this project were very stringent and varied. Each of the subprojects had different requirements. Very high longevity was required in the area of the interior roof lining (similar to PVDF). These parts had to be covered with a powder coating with an optimally deep degree of gloss. An optimally scratch-proof and scuff-proof surface solution was required for the wall claddings.

How did KABE solve this?

KABE had to develop and provide samples of new products within a short space of time to suit all requirements – a task it accomplished bravely.

What was the quality of the powder coatings used in your opinion?

The best compliment you can receive in our business is when nobody talks about the surface coating at the end of the project. In this sense, we are very happy with the quality of the powder coating supplied and the final result achieved.

«As always we were able to rely fully on the timely and problem-free delivery from KABE»

In your opinion, how did Karl Bubenhofer AG fare in terms of adherence to deadline?

As always we were able to rely fully on the timely and problem-free delivery from KABE, which we have now come to accept as standard with KABE.

How do you rate the cooperation with Karl Bubenhofer AG?

We find KABE to be a very reliable and extremely flexible partner.

Interview conducted with Roger Egli
Regional Manager, Dubai – United Arab Emirates
Armstrong Metal Ceilings (L.L.C.)



KARL BUBENHOFER AG, Hirschenstrasse 26, CH-9201 Gossau SG, Switzerland
Tel. +41 (0)71 387 41 41, Fax +41 (0)71 387 43 05, www.kabe-farben.ch
Building paints – Plasters – Facade insulation – Industrial coatings – Powder coatings

Agent for South East Asia, China, Australia
Baur Asia Pte Ltd, 10A Jalan Klapa, Singapore 199322
Tel. +65 6293 6282, Fax +65 6293 6383, www.baurasia.com, info@baurasia.com