



Pasquick™ Success Story: Parking Deck Floor in Beijing Daxing International Airport

Covestro Launched the new Polyaspartics Floor Coating
Solution to Assist China's Rapid Development

Pasquick™



Parking Deck Floor in Beijing Daxing International Airport

Statistics from the traffic administration body of the Ministry of Public Security shows that, by June, 2019, the number of cars owned by Chinese has reached 250 million. With the rapid growth of car ownership, naturally comes the higher demand for parking space. The parking lots at large transportation hubs such as airports and railway stations are receiving particular attentions with their influence on the quality of travel. This brings us to the Beijing Daxing International Airport which has just opened for business at the end of September. Due to a tight construction schedule, completing the construction of the parking floor on schedule has been quite a challenging task and required simultaneous acceleration of works by all parties, which has posed considerable difficulties on the practical construction works. Pasquick™, a brandnew polyaspartate floor coating solution launched by Covestro, has helped the construction entities successfully complete such a challenging task.

Construct Large Passenger Volume Semi-Open Parking Building

Beijing Dehui New Building Materials Co. Ltd. (hereinafter referred to as Beijing Dehui) undertook the construction of the parking floor of the parking building for the New Airport. As a mega integrated international airline transportation hub, the New Airport undergoes a large passenger throughput; thus, the utilization frequency of the parking building is likely to be extremely high. Therefore, the owner demands that the floor of the parking building has excellent resistance against wearing and slipping. The Parking building of the New Airport adopts a semi-open design; the owner, therefore, also requires that the floor coating exhibit good weather resistance to ensure long-term safety service of the parking building.

"The construction work of Beijing Daxing International Airport Project faced various challenges; therefore, we adopted Covestro's environmentally friendly Pasquick™ solution as the floor material for the parking lot. It has ensured on-time delivery to the customer while guaranteed the project quality", said the Chief Engineer of Beijing Daxing International Airport Project, China Construction Eighth Engineering Division Co., Ltd.

Pasquick™ Topcoat and 2K Waterborne Polyurethane Road Mark Coating

With the support of Covestro, Beijing Dehui has successfully applied Pasquick™ topcoat and 2K waterborne polyurethane road mark coating in the parking building of Beijing Daxing Airport. It ensures low VOC emission for the construction environment as well as operability of the construction under different climatic conditions. Construction of 260,000 m² parking area and 4,500 parking places need to be completed within two months. Pasquick™ features quick curing speed, which enables access of personnel after 2-3 hours; therefore, remarkably reduces the impacts of cross construction on the appearance and performance of the floor.



Coatings Supplier:	Beijing Dehui New Building Materials Co. Ltd.
Coating Raw Material:	Pasquick™
General Contractor:	China Construction Eighth Engineering Division Co., Ltd
Project:	Beijing Daxing International Airport

Partner:



Meanwhile, Pasquick™ can satisfy the requirements in terms of appearance and performance under large passenger volume and semi-open parking building design conditions due to its excellent performance of high wear-resistance, scratch-resistance and durability.

Why Pasquick™ is the ideal solution ideal solution for the parking deck of Beijing Daxing International Airport?

- **Quick curing:** curing time can be reduced by 8 times compared with routine floor coating systems.
- **Quick handover to customer:** shortens construction time to reduce losses and inconvenience caused by cross construction.
- **Economy and high efficiency:** enables fast curing, less coating and quick handover to the customer, and reduces the total costs.
- **Easy to clean:** coating surface is durable and easy to clean.
- **High solid content:** low VOC, low odor, high tolerance to environment, temperature and humidity.



Covestro Polymers (China) Co., Ltd.
Business Unit
Coatings, Adhesives & Specialties
22F, No.36 Pingjiaqiao Rd, Pudong
200126 Shanghai P.R.China

www.coatings.covestro.com
cas.china@covestro.com

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