

ChongQing Light Railway

Case study 2012

Focus product: Interchar® 973, Interchar 1120, Interchar 1983 (also Interzinc® 42, Intergard® 475HS & Interthane® 990)

Year of project: 2009 through to 2012

Location: China

Project owner: Chongqing Metro Co.,Ltd.

Applicator/fabricator: Metallurgical Construction Co.,Ltd.

Surface preparation: Sa 2.5

ISO12944 environment: C3

Project size: 80,000L

Background

Line 3 of Chongqing light rail is currently being constructed in 3 phases. Phases 1 and 2 are now finished, with phase 3 ongoing. The project is very well known as the light railway runs the length of Chongqing city.

This project was introduced to reduce traffic jams in the city and in addition the government has decided to build series of light railways.

The owner has high quality requirements for this project in terms of aesthetics and particularly in terms of safety for users of public transport. The customer requires excellent anticorrosion and fire protection performance. In a fire, it is essential that people have enough time to escape the building.

The solution

From hundreds of paint suppliers and local brands, AkzoNobel were chosen to provide the most appropriate solutions for the customer's expectations. The customer was primarily impressed by our performance and high level of service.

The Interchar Range of intumescent from AkzoNobel is designed to provide safety to people by protecting structural steelwork from a cellulosic or "standard" fire for periods of up to three hours. Interchar, AkzoNobel's comprehensive range of thin film acrylic coatings provides an efficient method to protect steelwork while maintaining the visual and architectural aesthetics of a structure. To account for severe environmental exposures, durable epoxy Interchar intumescent coatings are also available. In addition to durability, these extremely resilient intumescent coatings have the benefit of testing against blast and impact.

The owner chose our products for their high quality and aesthetics as well as for our testing processes. At AkzoNobel we ensure that all of our Interchar products are independently tested and certified. This involves type testing and audit testing for fire and non-fire performance together with factory production control.

