

PROJECT PROFILE



The Advanced Materials Centre

Project: Subway Construction, Tianjin, China

Designer: Ministry of Railways, China

General Contractor: Tianjin No.1 Municipal Engineering Company

Sub-contractor: Sinorise Engineering Company Ltd.

Gemite product: **Cem-Kote Flex ST**

Objective: the negative side waterproofing of drying shrinkage cracks in the reinforced concrete of the subway tunnel. The contractor had evaluated three methods of cracks waterproofing: epoxy injection, crystalline waterproofing and an application of flexible cement composite **Cem-Kote Flex ST** over the moving cracks. The epoxy waterproofing method was not adequate and the crystalline waterproofing completely failed to waterproof the cracks and was rejected. The **Cem-Kote Flex ST** composite resolved the waterproofing problem completely to the total satisfaction of the client.



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