

Futang Tunnel/Ying Wen Highway

Sichuan, China (2014)

BACKGROUND

Natural disasters like floods, earthquakes and hurricanes are becoming more and more prevalent as we move into a time of rapid climate change. Climate change has made it critical for the construction industry to build for sustainability with durable and resilient products. Furthermore, when those instances occur where major rehabilitation and repair are needed, durable products need to be used.

China is no stranger to the fury of Mother Nature, as demonstrated by the Wenchuan earthquake of 2008 one example of her fury. This disaster forced the local governments to rebuild infrastructure, one of which was the Ying Wen highway, which serves as the only arterial road interconnecting Chengdu, Aba Tibetan and Qiang in Sichuan, China. Unfortunately, nearing the end of construction in July of 2013, a mudslide hit, damaging the Futang Tunnel along the highway, causing immense leaks in the concrete. The disastrous cracks in the tunnel needed a crack repair system that could withstand the pressure of Mother Nature, and do so in a short period of time to keep this hub flowing in China. The engineers needed a reliable solution.

SOLUTION

Kryton's crack repair system was called in to do the job correctly, permanently fixing the damage caused by the mudslide. After the cracks were assessed, Krystol Plug was used to stop the flow of water, followed by Krystol T1 and then Krystol Bari-Cote. To finish, a coating of Krystol T1 was used to ensure a watertight seal for a permanent solution to the leaking problem in the Futang Tunnel.

With the Tunnel fixed, the Ying Wen Highway is in full operation with the Kryton Crack Repair System working as specified with no more interruptions to the highway that connects much of the area's growing population.

OWNER:

People's Republic of China

ARCHITECT/ENGINEER:

Sichuan Provincial Transport
Department Highway Planning,
Survey, Design and Research Institute

APPLICATOR:

Sichuan Dacheng Engineering Co.Ltd.

CONTRACTOR:

Sichuan Dacheng Engineering Co.Ltd.

DISTRIBUTOR:

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PRODUCTS:

Learn more at kryton.com

Krystol T1®

Krystol Plug™

Krystol Bari-Cote™



The construction team filling one of the many cracks of leaking water.



The construction crew used Krystol T1®, Krystol Plug™ and Krystol Bari-Cote™ to repair the massive leaking left by the mudslide.