

Reference | Tunnel

HENGSBERGTUNNEL

HENGSBERG | AUSTRIA

Inner shell vault for a railroad tunnel.



PROJECT INFORMATION

Project	Hengsbertunnel	Fibre type	PM 3/15
Location	Hengsberg, Austria	Dosage rate	1.2 kg/m ³
Application	Tunnel construction	Total volume	10,000 m ³ Shotcrete
Component	Inner shell		
Art	In situ concrete		
Construction period	2008 - 2010		
Concrete	WDI concrete		

SPECIAL FEATURE

The majority of the new tunnel was constructed using the closed cut-and-cover method using excavators or blasting. In addition, open cut construction was used for some sections. The use of polypropylene fibers ensures fire protection.



KRAMPE HAREX®

KNOW WHY.

Reference | Hengsbergtunnel





KRAMPE HAREX®

KNOW WHY.

Reference | Hengsbergtunnel



» Fiber concrete is THE building material with a future. Its innovative potential is far from exhausted."

Dipl.-Ing. Wilhelm Nell
Product- & Business Development
Manager, KrampeHarex

FIRE PROTECTION IN THE TUNNELS A BURNING ISSUE

Preventive fire protection is becoming increasingly important in tunnel construction. New concepts call for the concrete itself to have a protective effect. This is made possible by adding plastic fibers. These reduce or prevent explosive concrete spalling.

The polypropylene fibers from KrampeHarex are the result of many years of research and development. Together with institutes such as societies for materials research, they have been tested for their fire protection properties and have already been used in numerous pilot projects.

Because we know why.

1,695
Total length



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OTHER PROJECTS

TUNNEL S35

Mixnitz / Austria

Application: Tunnel construction
Fibre types: DE 30/0.6 N
DE 50/0.8 M
PM 3/15

TUNNEL KÜSSNACHT

Küssnacht / Switzerland

Application: Tunnel construction
Dosage rate: 35 kg/m³
Fibre type: DE 35/0.55 N

SCHÜRZEBERGTUNNEL

Oberrieden, Germany

Application: Tunnel construction
Dosage rate: 30 kg/m³
Fibre type: DE 30/0.8 N