

Gullberg Tunnel

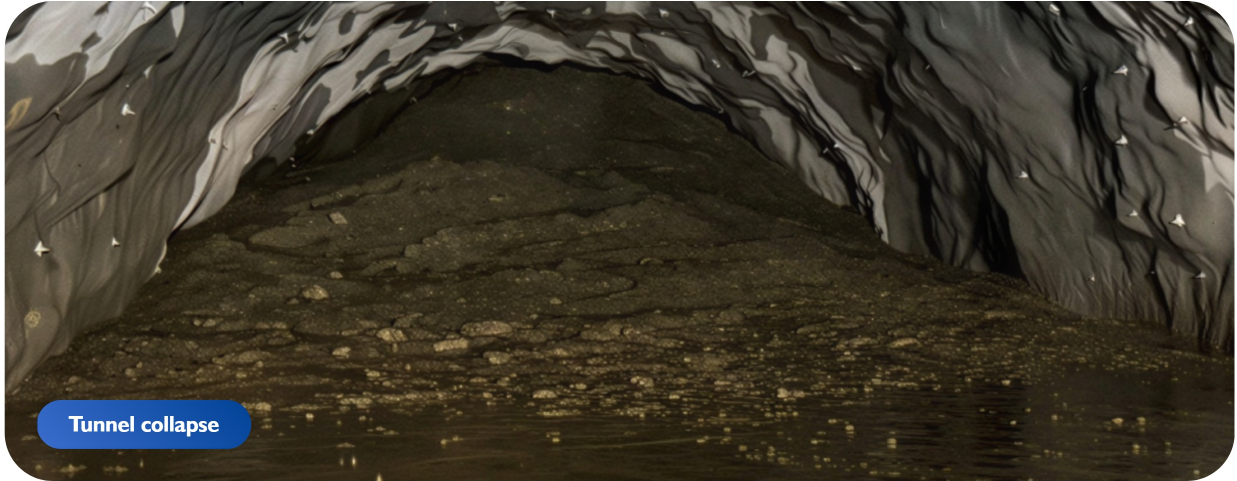
Nordland County, Norway

MasterRoc RBA 380



Gullberg Tunnel

Nordland County, Norway



Product Highlights

MasterRoc RBA 380

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Project description

E10/Rv. 85 Hålogalandsvegen. PPP Highways project. The largest transport project in Northern Norway. 82km of new highways with 27 km over 7 new tunnels. Gullberg tunnel, 4.7 km long, includes innovative three-branch roundabout under mountain.

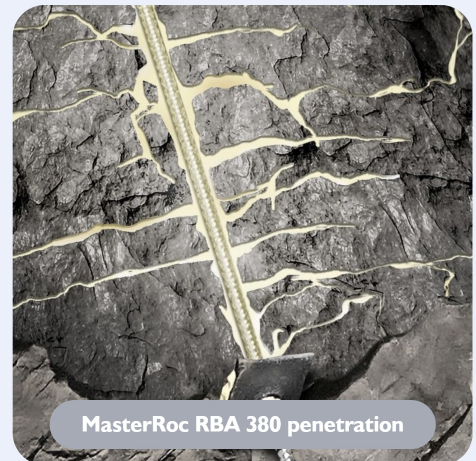
Challenge

Fractured, water-bearing weak zones of gneiss, mica gneiss, and schist rock geology caused significant water ingress and instability. In January 2025, a sudden landslide caused tunnel ceiling collapse prompting emergency stabilisation effort.

Solution

"Innovative rockbolting resin"

Injection of MasterRoc RBA 380 was crucial to the stabilisation effort. By injecting under pressure, the material was able to create a curtain in preventing further water ingress. Furthermore, its thixotropic, fast-reacting and high final strengths provided a highly effective seal and stabilised the area, especially around the pipe umbrellas and anchors. 20 tonnes of material were pumped with careful attention paid in controlling pumping pressures to prevent further collapse.



MasterRoc RBA 380 penetration

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