

Project brief

TYPE OF FACILITY:

Underground Mine



Fraser Morgan Mine

■ Sudbury, Ontario, Canada



The Glencore Fraser Morgan project will extend the life of the Fraser Mine Complex by five years to 2025, unlocking 6,000 tonnes of nickel and 2,000 tonnes of copper per year.

This expansion brought the need to protect against fire **3900 ft. underground** in the Machine Shop/Lube Bay and a new Diesel Fuel Bay. The ideal solution to ensure the **life safety of employees** and to protect the equipment in these areas was the Victaulic Vortex® Fire Suppression System and its unique hybrid nitrogen/ water fire suppression technology.

Being a standalone system, Victaulic Vortex was ideal for this environment, featuring a captive water tank that uses **minimal amount of water** to protect against spreading of fire with nearly zero wetting. The contractor and engineer, designed a unique racking system and manifold specific for the mining industry that will go up and down the cage for ease of refilling the Victaulic Vortex system with nitrogen.

MARKET:

Fire Protection

VICTAULIC SOLUTIONS:

Life Safety

Operation as Stand Alone System

Minimal Presence of Water

OWNER:

Glencore

ENGINEER/CONSULTANT:

BESTECH

COMPLETED DATE:

2014

SPECIFICATIONS:

SERVICES:	PIPE MATERIALS:	PIPE SIZE RANGE:
Victaulic® Vortex Fire Suppression System	Carbon Steel	1 1/2 - 4"/40 - 100 mm



GRUPE **ROYALTECH** IS A CERTIFIED INSTALLER AND INTEGRATOR OF VICTAULIC VORTEX PRODUCTS
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