



INNOVATIVE. FIRE. SYSTEMS

PASSIVE. FIRE. PROTECTION

FOIX TUNNEL – N20 (Ariège)



FIRE PROTECTION – SLAB under the VENTILATION GALLERY

To meet the requirements of circular 2000-63 of 25 August 2000, the contract owner, the Ariège DDE (Public works authority), assisted by the engineering SNCF, wanted to improve the fire resistance up to HCM 120, of the slab supporting the emergency tunnel, the air extraction duct and the service gallery. Thermal fire protection of the concrete structure was obtained with 28 mm of sprayed FIRE BARRIER 135 mortar & after installing a specific grid. This work over 21,500 m² was performed in three months summer 2004.



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FIRE PROTECTION LEVEL N2
28 mm of FIRE BARRIER 135



WIDTH of the ARCH = 10 Metres



TUNNEL OWNER: **DDE**

ENGINEERING: **SNCF**