



**INNOVATIVE. FIRE. SYSTEMS**  
**PROTECTION. PASSIVE. INCENDIE**

## **HURTIERES and AIGUEBELLE TUNNEL**

**Network: S.F.T.R.F.**



### **FIRE PROTECTION - LEAD-IN SHAFTS**

As part of the improvement of the fire resistance of the lead-in shafts in its motorway network, the contract owner SFTRF has taken particular care relative to fire protection in lead-in shafts. The contract owner has therefore recommended extra fire resistance for the lead-in shafts in accordance with circular 2000-63 applied to road tunnels, and has decided to use extra level N3 (HCM 120 and CN 240) heat protection. Furthermore, the thermal requirements recommend a maximum temperature of 80 degrees inside the shafts. A complex of FIRE BARRIER 135 and high-temperature resistant insulating fabric has therefore been installed in more than 1100 lead-in shafts

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in three of these tunnels: Hurtières, Aiguebelle and Sorderettes. This operation took place in two installation campaigns, each taking 10 working days, in summer 2008. For the first time, INNOVATIVE FIRE SYSTEMS installed these plates flush with the pavement, and coated its traditional FIRE BARRIER 135 mortar with urethane having mechanical and physical properties capable of withstanding permanent exposure to attack from natural and traffic conditions.

Production Workshop at I.F.S. 2500 units produced in 4 weeks



Details of plates in line with safety niches

