



Approval Certificate for Protection of road tunnels against Fire Effects

Certificate No.: 322070404-A

Certificate date: 01st July 2022

Engineer: Wolfgang REICHÖR / AbeJ

Extension: 812

SYSTEM MANUFACTURER: VID FIRE-KILL APS, Svalbardvej 13, DK-5700 Svenborg

SYSTEM: TUNPROTEC® Low Pressure Watermist System for
Road-/Train Tunnels

SCOPE OF CERTIFICATE: The TUNPROTEC Low Pressure Watermist fire
suppression system is full scale tunnel fire tested for fire
loads (potential) against:
“Fire Loads up to 250 MW → Heavy Goods Vehicles
(Road-/train tunnels with longitudinal ventilation
velocities up to 5 m/s +/-20%)”

APPLICABLE STANDARDS: UPTUN WP2 D251
EN 14972



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BASIS OF CERTIFICATE:

Test Reports; Full Scale Fire Test

- 2018-Efectis-R002191[Rev.2] VID FireKill fde
- Test report 20267_2 - VID Fire-Kill Runehamar
- Model 3MS N-Pipe –
Data Sheet DS200212-02-06 Model 3MS, Rev. 06
FM Approval Id.: PR455685 (May 31, 2022)
- Zone Control Valve Model C-EL
Data Sheet: DS-171121-01-04 CEL, Rev. 04
FM Approval Id.: 3053648 (August 4, 2015)
Model C Tunprotec C-M-80-80i
Data Sheet: 220225-02 Model C Tunprotec Zone
Valve

APPROVAL VALIDITY:

Effective from key date for prolongation of the
certificate (01st July 2022) for two years until
01st July 2024

**INSTALLATION
INSTRUCTIONS:**

- 211223-01-04 Design Manual Tunprotec Rev. 04

**IBS – INSTITUT FÜR BRANDSCHUTZTECHNIK UND
SICHERHEITSFORSCHUNG GESELLSCHAFT M.B.H.**

Wolfgang REICHÖR
Technical Officer

ING. Georg Dammayr
Division Manager

DI (FH) Mario Hartl
Test Centre Manager