



APIRA

materials & solutions

All-in-one Protection of Buildings,
Facilities & Homes from Wildfires



APIRA: One sentence description



A complete, pre-installed wildfire protection solution for buildings, facilities, and warehouses that operates easily, quickly or remotely, without the need for water or electricity, for both new and existing structures – and without requiring human presence.

Fire Certification: DIN EN 13501-2:2023-12. Success 60 minutes - Integrity, Thermal insulation (I), Heat radiation (W): MPA Dresden GmbH July 8, 2024



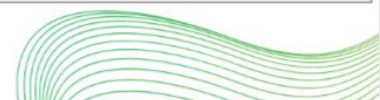
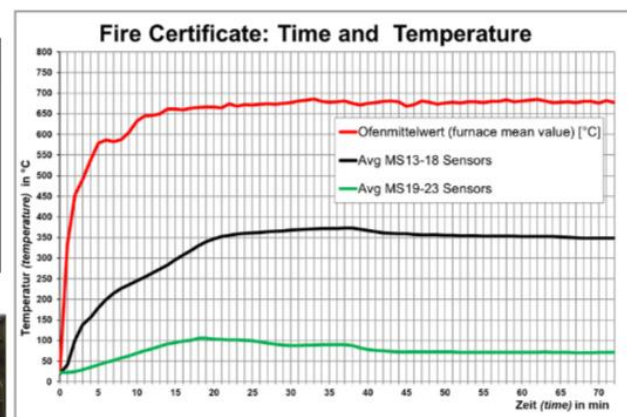
After 72 minutes, no fire or damage to the fire protection fabric occurred.



Overview of the test results achieved on:
System 2, surface: roller shutter

Performance criterion	Achieved test results in minutes	Possible classification*
Integrity	72 minutes	E I W 60 ef
– Flame > 10 secs	72 minutes (no persistent flames visible)	
– Feeler gauge	72 minutes	
– Cotton pad	72 minutes (not carried out)	
Thermal insulation (I)	72 minutes	
– Mean value ≤ 140 K	72 minutes (no limit value exceeded)	
– Maximum value ≤ 180 K	72 minutes (no limit value exceeded)	
Heat radiation (W)	72 minutes	
Ending of test	after 72 minutes	

* classification based on DIN EN 13501-2:2023-124



APIRA: Products Portfolio - Three Solutions: 1/3



Removable 1-part: Customised, stored and used in case of danger.



APIRA: Products Portfolio - Three Solutions: 2/3



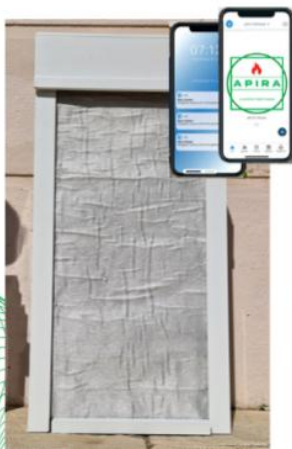
Removable 2-parts: Customised, stored and used in case of danger.



APIRA: Products Portfolio - Three Solutions: 3/3



Pre-installed Rollers: placed outside each window glass & roller. Deployed also remotely.



APIRA: Advantages and Solution Applications

- ❑ Protects buildings, warehouses, and facilities from wildfires, embers, firebrands, and radiant heat - without human presence.
- ❑ Pre-installed according to APIRA's patented specifications.
- ❑ Prepared and tested in advance when no wind or fire is present.
- ❑ Remains effective for hours, days, or weeks - with no loss in performance.
- ❑ Activates at the first sign of danger, long before fire approaches.
- ❑ Requires no water, pumps, power, or special equipment.
- ❑ Reusable - folds and redeploys easily.
- ❑ Long-lasting protection, with an estimated service life of 20–25 years.
- ❑ 100% Environmentally Friendly.
- ❑ Zero Environmental Impact.



APIRA Applications: What it Covers and Protects:

Homes Structures	Warehouses	Wineries	Kiosks
Oil / Propane tanks	Business inventories	Solar panels	Beehives



Wildfires: Data and hard numbers

The profile of the Wildfires in the Mediterranean-type climate regions.



Fire temperature:
615 °C
at the centre of the fire.



Time:
How long fires last?
It takes **3 to 5 minutes**, to
pass through a house.



Houses on fire:
Fires enter the houses **Only via**
Openings i.e. Doors, Windows or Roofs



Avg person:
9,85km/h



Forest fire:
10,78km/h



Grass fire:
22,53km/h

Contact Us

APIRA

🌐 <https://www.apira.eu>

Contact person: **Ιωσήφ Κουτσουμπίδης**
Co-Founder, CEO

☎ +49 152 21347 101

✉ iosif.koutsoumbidis@apira.eu



