

Case Study	RETIREMENT HOME SENTJUR
Region and year of installation	Slovenia (EU), 2016
Areas of installation	<ul style="list-style-type: none"> ➤ Sheltered housing, apartments and kitchens ➤ Business and auxiliary premises ➤ Electrical and communication cabinets
Implemented solutions	<ul style="list-style-type: none"> ➤ Self-Activated Fire Extinguishing Ampoule BONPET ➤ Grenade BONPET

Self-Activated Fire Extinguishing Ampoule BONPET - Fire Safety for your Home and Business

Ampoule is the most effective product for extinguishing a fire in small and indoor areas without being constantly present and a fire extinguishing product with an aesthetic appearance. Indispensable everywhere you assume that the temperature will rise rapidly, when the fire starts (ceiling or closed wall to the potential location for a fire).



The best effect for extinguishing fires of class A, is when the ampoule covers approximately 8m3 of an area. Suitable for extinguishing fires of classes A, B and F. It has a 10-year product life expectancy and 10-year warranty with no need for maintenance.

No false alarms, without additional damage and it is human and environment friendly (no halons).

Ampoule Bonpet – how it works? Fire safety and how to prevent Fire?

- When a fire breaks out in a small enclosed area and temperature rises, extinguishing liquid simultaneously begins to heat and as a result, the liquid starts to extend in the glass ampoule.
- When the temperature of the extinguishing liquid is approximately $85^{\circ}\text{C} \pm 5^{\circ}\text{C}$ the glass breaks into pieces which allows the liquid to drop into the area, where endothermic process begins.
- It takes the energy from the fire and starts to cool the area. As a side product of this endothermic reaction, small quantities of nitrogen and carbon dioxide are released. Their function is to prevent the entrance of oxygen to the burning area.
- Remaining components that do not decay, form a protective layer over the surface of the extinguishing liquid, which prevents re-ignition. Ampoule BONPET can be used manually by throwing the ampoule directly into the source of a fire.



Grenade BONPET – with the “throw and extinguish” way we have added a new dimension of convenience and safety

Grenades Bonpet are used for extinguishing fires of classes A, B and F, in smaller concealed places, where with throwing the grenade we can actually extinguish the fire from a distance. Grenade is the most practical fire extinguishing product, which can be attached to an accessible and frequent enough place. It can be used by security guards on longer security patrol.





Sheltered housing, apartments and kitchens.



Business premises and auxiliary premises.



Electrical and communication cabinets (servers rooms).

