



# PROTECT YOUR PROPERTY. EXTINGUISH FIRE FASTER

## PEWAS Fire

PEWAS Fire is an innovative solution for more efficient fire fighting and protection of property in the event of fire. PEWAS Fire is an additive used in water fire extinguishers. When PEWAS Fire is added into the fire extinguisher or into the storage tank within a few seconds a fire fighting gel is formed, which upon application creates a 5 mm layer and accelerates the extinguishment time and thus protects objects faster from fire spread. PEWAS Fire considerably contributes to reducing the consumption of water of up to 50 % and requires less time for extinguishing a fire.

PEWAS Fire can also be used for extinguishing Class A fires and thanks to lower water consumption it is also suitable for fighting fires in forests and in areas that are hard to reach and devoid of sufficient sources of water.

## Benefits

- 30 to 50 % quicker at extinguishing fires.
- Lower water consumption by 30 to 60 %.
- After application, PEWAS Fire creates a gel- like barrier (up to 5 mm thick). It prevents oxygen from reaching the fuel. The fire is rapidly extinguished and the cooling effect of water is optimized.
- The fireproof layer of fire gel protects property and surrounding areas from catching fire. The „gel blanket“ covers the source of fire and eliminates likely re-ignition of the fire
- **Instant usage:** upon being added into the fire extinguisher within a few seconds the additive forms a homogenous gel without clots.
- **Utilization of the existing fire extinguishers** without additional modifications.
- **Adhesive** on vertical and horizontal surfaces.
- **Ecological, non-toxic**, without impact on the environment.



**Protection of objects.** PEWAS Fire can be used not only for direct fire fighting but also for protecting objects from fire spread. When the fire fighting gel is applied on the objects a gel barrier is formed, which protects the object, reduces the damage and retards inflammation.

**More effective use of water for fire fighting.** At the same time PEWAS Fire keeps water on the burning object and thus prolongs the effect of intervention. It is marked by a high cooling effect and balanced evaporation of the retained water. When fire-fighting water is normally applied only 5 % remain on the place of intervention and the rest flows out. When using the fire gel PEWAS Fire up to 95 % remain on site. From the measurements it resulted that 100 litres of water with PEWAS Fire have the same effect as 600 litres of water without this additive.

## Usage



Class A  
fires



Landfill  
fires



Forest  
fires



Fire fighting in  
inaccessible areas



Protection of objects  
from fire spread

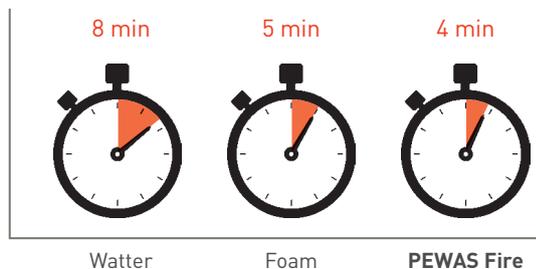
PEWAS Fire is approved by Ministry of Interior of the Slovak Republic as official fire fighting method during professional fire fighting intervention and can be used by Fire and Rescue Services of Slovak Republic.

## Results of comparative trials

### Reduced extinguishment time by 50 %

The results of the tests have confirmed the reduction of the time necessary to extinguish a fire by one half when the PEWAS Fire gel is used compared to fire fighting using water. In comparison with the fire fighting foam the PEWAS Fire gel reduces the extinguishment time by 20 %.\*

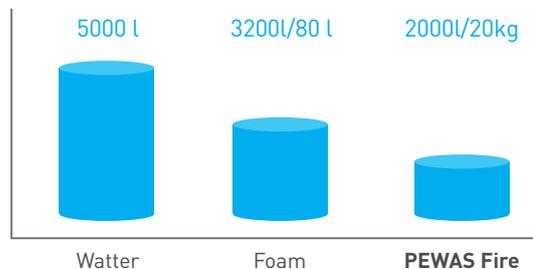
### Speed of fire extinction:



### Reduction of water consumption by 60 %

The amount of water necessary for extinguishing a fire by means of the PEWAS Fire fighting gel is 60 % lower compared to pure water used for fire fighting. In comparison with the fire fighting foam the water consumption can be reduced of up to 40 %.\*

### Consumption of water/foam/gel during fire



\* The measurement results have been obtained from comparative trials using PEWAS Fire fighting gel and conventional fire fighting methods during professional fire fighting intervention in the training centre Lešt. The trials consisted of fighting a tire fire.

### Economic comparison - PEWAS Fire is 3 times more advantageous

When taking into account the necessary amount of water and the amount of the additive used (foam or fire fighting gel) the costs for using the PEWAS Fire fighting gel are 3 times lower compared to the fire fighting foam. Moreover the time needed for extinguishing a fire can be reduced by at least 20 %.

## Do you have any questions? Please contact us:

PEWAS, s.r.o., Vansovej 2, 811 03 Bratislava, +421 2 4826 9350, Slovakia info@pewas.sk, www.pewas.sk

The PEWAS Company specializes in ecological and innovative chemistry, consulting, research and development of new solutions for our clients in several sectors of industry, agriculture and transport.