

solarstop®

NEW

THE ONLY FIRE EXTINGUISHING
DEVICE FOR **PHOTOVOLTAIC
INSTALLATIONS** AVAILABLE
ON THE MARKET



solarstop® solarstop® solarstop® solarstop® solarstop®

- Successfully extinguishes photovoltaic installations.
- Deactivates generation of electricity by insulating photovoltaic installations from the source of light.
- Dielectric product, complete safety for fire fighters.
- Performance confirmed by certificates from accredited laboratories.



PRODUKT Z ATESTEM

Regardless of their numerous advantages, photovoltaic installations give rise to considerable fire hazard. The risk levels for installations set on the ground are different from those concerning installations integrated with buildings.



The main factors resulting in fires of photovoltaic installations are:

- ⏻ installation errors and inappropriate system components, especially insufficient thickness of cables and incompatible cable connectors;
- ⏻ improper location of cables and insufficient distance between roofs and installations;
- ⏻ bad quality of installation components;
- ⏻ Hotspots, i.e. overheating cells of photovoltaic modules (in extreme cases a hotspot can reach temperatures of a few hundred degrees Celsius);
- ⏻ faulty connections of inverters to flammable materials;
- ⏻ rodents, bird nests.

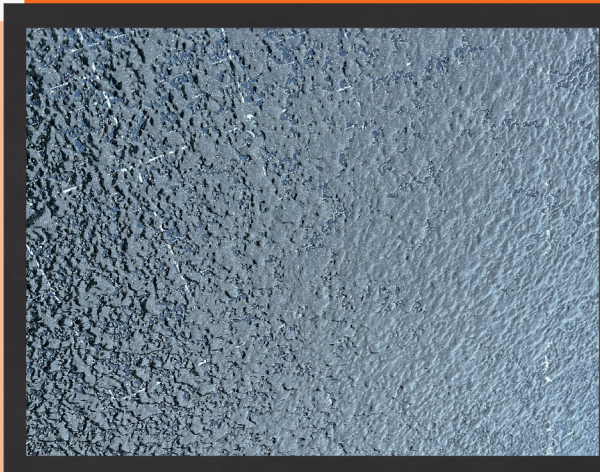
When a fire of a photovoltaic installation occurs, even if its inverter or fire-protective circuit breaker cuts AC the power off, it must be kept in mind that both the installation located on the roof, as well as its wiring connected to the aforementioned devices will still remain electrified.

As long as photovoltaic modules have access to sunlight they constantly produce DC electricity, with voltage reaching even a few hundred Volts, so they pose a risk to people involved in fire extinguishing activities.



SOLARSTOP® is an ecological and innovative fire extinguishing device for applications with photovoltaic installations which suppresses fire by cooling and lowering the temperature of flammable materials. It is dielectric, so it is safe for fire fighters.

Apart from its perfect fire extinguishing characteristics, **SOLARSTOP®** remains on the surfaces of photovoltaic installations forming a stable layer which stops sunlight, thus successfully reduces the amount of generated electricity down to values which are safe for people occupied with extinguishing fire.



SOLARSTOP® enables extinguishing photovoltaic modules, and such accessories as wiring, connectors, inverters, etc., even when they remain under max. voltage of 1000V, additionally, the product is effective for class A fires. Its fire extinguishing characteristics **are confirmed by the accredited institute CNBOP-PIB certificate.**

The range of **SOLARSTOP®**, which exceeds >11m*, enables precise and effective targeting of the fire-extinguishing device in the direction of the source of fire, which means that the device can be operated from the ground level, without the need for approaching the flames.

SOLARSTOP® is an ecological fire-extinguishing agent which is safe to the environment and people, it does not emit toxic substances and is safe for its users. The product can be easily removed from clothing soiled during fire-extinguishing actions simply by washing. The product is certified by the National Institute of Public Health - National Institute of Hygiene.

After fire-extinguishing activities are completed, **SOLARSTOP®** can be easily removed from undamaged surfaces of installations with utilisation of water and a soft brush, thus restoring their condition to their previous state.

TECHNICAL INFORMATION:

FIRE-EXTINGUISHER AGENT MASS	9 KG
FIRE-EXTINGUISHER AGENT	NITROGEN
WORKING TIME	>20 S
CYLINDER TEST PRESSURE	29 BAR
WORKING PRESSURE	14-16 BAR
APPLICATION RANGE OF TEMPERATURES	+3/60°C
TOTAL MASS	13,5 KG
RANGE	>11 M
MAX. VOLTAGE OF EXTINGUISHED DEVICES	1000 V, AC/DC
MAX. COVERED AREA OF PV PANELS	>20 M ²
OVERALL HEIGHT	580 MM
TANK DIAMETER	180 MM



USER MANUAL AND A DETAILED DESCRIPTION OF THE DEVICE

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solarstop®



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