

EDePro 🖊

# **A6 ANTI-HAIL ROCKET** *The modern reality of hail suppression*

As governments, countries, and weather-dependent businesses across the globe put more effort into preventing the damage cost by hailstones, the need for efficient, cost-effective hail suppression systems is increasing on a daily basis. As a company with extensive expertise in propulsion systems for solid propellant rockets, rocket systems and other defence equipment. Having arisen from our original know-how, this rocket is designed to prevent hail and the damage caused by it. In addition, the A6 is in service in many countries worldwide, which shows how reliable and sought after it is – especially today, when the need for efficient, cost-effective hail-suppression systems has never been greater.

# Tactical Use

This rocket is intended for carrying 400 g of a particular reagent and spreading it inside a thunderstorm cloud. Whether launched as a single projectile or as a salvo, the A6 has the same effect. It disperses that reagent at a high altitude, in a period between 35 and 43 s, thus successfully disrupting the formation of hailstones.

## The Rocket & Container System

The A6 and its container make a unique system. The container is reusable and it can emulate the launcher, making it possible to launch the rocket from it. It can also ensure a high initial speed of the rocket, which can exceed 80 m/s. Meanwhile, the A6 can be launched from different types of launchers, as well, with minimum modifications to the launcher itself.

## **Compact Design**

Due to its small calibre, the rocket requires less material for production, thereby significantly reducing costs. The launcher is robust and compact, taking up minimum space, and it enables fast gaining of elevation and azimuth.



#### **Safety & Environmental Protection**

The A6 is almost entirely made of thermoplastic materials so as to ensure safety and environmental protection. Once the reagent is discharged, the rocket self-destructs at a safe altitude, while the falling debris is completely harmless and with no risks of pollution. Two independent pyrotechnic timers ensure that the self-destruction always occurs in a timely manner.



#### CONTACT

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### MAIN TACTICAL AND TECHNICAL PERFORMANCES

EDePro **ROCKETS** 

Vertical range (elevation angle: 85°)Reagent discharge time*Moment of self-destruction* (seconds after launch)Operating temperature rangegnition circuit resistanceRequired currentRequired voltageContainer's calibreNumber of containersContainer's lengthContainer's massLauncher's massElevation range (50 incr.)Azimuth range (50 incr.)Burning timeTotal motor impulsePropellant's massStart of reagent discharge* (seconds after launch)Reagent's massReagent's massReagent's massReagent's massReagent's massReagent's attivity at -100° C222222222222222222222222333333333333333333333333333333333 <th>Technical Specification</th> <th></th>	Technical Specification	
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Reagent's mass400Reagent's activity at -100° C2.5 x 1000	End of reagent discharge* (seconds after launch)	43
Reagent's activity at -100°C 2.5 x 1000	Reagent's mass	400
	Reagent's activity at -100° C	2.5 x 1000

'adjustable according to the customer's requirements.

# **BENEFITS**

- Easy to use, with only a few hours of training required for operating;
- >> The rocket launches from its own container;
- >> Main performances adjustable according to user requirements;
- >> Self-destruction managed by two independent pyrotechnic timers.

