

## **CLEANING RECOMMENDATION**

### **Professional Cleaning of Aerosol contaminated Objects**

Following we would like to inform about the recommended initial actions on contamination of electrical and electronic installations, e.g. server rooms, LAN sector, electronic control units or similar equipment, with aerosol after activation of an aerosol generating fire extinguisher.

Cleaning should be immediately performed and only by a technically qualified company, which specializes in the restoration of electro-technical installations after damage event.

For instance, but without being exhaustive, the international acting

#### **Polygon Group**

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can be referred to.

Aerosol is not residue-free. It is composed of fine particles (0.5 – 2.5 µm) of the extinguishing agent potassium carbonate (K<sub>2</sub>CO<sub>3</sub>). In connection with the relative overall air humidity (ambient value 40 – 60 %) it can contribute to corrosion of metals and alloys in electronic boards and installations.

#### **Polygon recommends:**

Timely cleaning of the contaminated electronic boards and installations by a three-stage-selective water-based cleaning process on site. After completion of the drying process in a mobile drying room and vacuum furnace the equipment can be reassembled and taken into operation.

Work in contaminated areas must be compliance with personal protective equipment (PPE)

#### **Recommended initial actions of customer:**

1. Closing of all room-related windows and doors
2. Controlled disconnection of all electrical and electronic installations
3. Shut down of the air conditioning unit;  
the air conditioning unit can eventually remain in use, as a (integrated) dehumidifier promptly after the extinguishment process reduces the relative humidity to ≤ 30 %
4. Cleaning by a technically qualified company (respond time on site 1 – 3 hours)  
Polygon recommends:
  - a) Installation of a dehumidifier to stop corrosion, target value ≤ 30 % relative humidity
  - b) Cleaning and suctioning of aerosol deposit
  - c) Drying

#### **Exclusion of Liability**

Dynamit Nobel Defence GmbH assumes no responsibility for a successful and proper recovery and remediation of the damaged electrical and electronic installations by observing the above mentioned cleaning recommendations.

The recovery and remediation of the electrical and electronic installations shall solely be part of the legal relationship between customer and the instructed technically qualified company, with exclusion of all liability on behalf of Dynamit Nobel Defence GmbH.