

TIDOREX NEW AND ABSOLUTE PREDATE ABSOLUTE PREDATE Ultra fast extin

ultra fast extinguishing





Extinguishing Agents Comparison	TiboRex Absolute	Water	Foam	Powder	Gas
Fast Temperature Reduction	+	-	-	-	-
Surface Blanketing	+	-	+	-	-
Quenching Effect	+	-	+	-	+
Fine-Spray Technology	+	+	-	-	-
Fluorine Free	+	+	-	-	+
Temperature Range -50°c to +80°c	+	-	-	+	-
Danger to Persons	+		-	-	-

Ultrafast extinguishing

Quenching effect

removing heat, hence no combustion or fire in

Residue monitoring and guaranteed quality

Residues of the extinguishing agent on the object can be identified with the help of ultraviolet light. A chemical analysis (DNA) can verify and confirm that the original TiboRex Absolute was used.

Ultrafast cooling

Enormous reduction of surface temperature. Reduced effect of fire.

Blanketing fat and oil fires

the fire and protecting the hot fat or oil from re-ignition by cooling them down very quickly.

Environmental friendliness

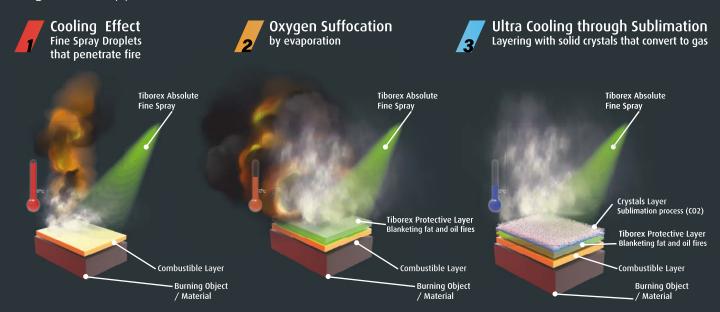
The cooling effect

The enormous cooling effect of TiboRex Absolute is mainly based on two physical properties:

Cooling effect due to water evaporation: The fine-spray nozzles developed specially for TiboRex Absolute produce very fine droplets, smaller than 100 µm, when discharging the extinguishing agent. As a result, ultra-fast evaporation of the liquid share in the extinguishing agent is achieved. Due to the required enthalpy of evaporation of 2.26 MJ/kg (equivalent to 1 litre of water) energy is extracted from the burning object in a minimum of time and it cools down substantially.

Cooling effect due to sublimation: During the evaporation of the aqueous phase some of TiboRex Absolute's main components form crystalline structures. With the still existing combustion temperature, these solid structures change from the crystalline phase to a gaseous phase. The enormous enthalpy of evaporation (heat) required for this amounts to 7.23 MJ/kg.

3 stages fire suppression







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