

THE TABLE OF HAZARDOUS AREAS

ACCORDING TO ATEX DIRECTIVE



Temperature class and Enclosure group for GAS atmospheres

Group	Temperature classes								
	T1		T2		T3	T4	T5	Т6	
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AII	Acetio acid Acetone Armonia Berzole Berzene Butanone Carbon monoxide Ethane Ethyl acetate Ethyl acetate	Methane Methanol Methyl acctate Methyl alcohol Methyl cloride Naphtalene Propane Toluene Xylene	Acetic anhydride I amyl acetate n butane n butyl alcohol Amylic alcohol Butyl acetate Cyclohexanon Ethyl alcohol Iso butylic alcohol Liquefied gas	Natural gas Prooyl acetate	Cyclohexane Petroleum* Cyclohexane Petroleum* Decano Diesel fuels Casoline Heating oil Heptane Hexane Jet fuels Pentane	Acetaldehyde Ether			
IIB	Coke-oven gas Water gas(carburetted)		1,3-Butadiene Ethylene	Ethylbenzene Ethylene oxide	Hydrogen sulphide Isoprene Petroleum*	Ethyl ether			
IIC	Hydrogen		Acetylene					Carbon disulphide Ethyl nitrare	

Temperature class

Temperature class	Maximum surface temperature Of electrical equipment Including 40°C ambience temperature			
	°C	°F		
T1	450	842		
T2	300	572		
Т3	200	392		
T4	135	275		
T5	100	212		
Т6	85	185		

How to calculate temperature class for DUST

Dust ignition temperature	Airborne Tcl	On surface T5mm					
Safety temperature	Ts1 = 2/3 Tcl	Ts2 = T5mm-75k					
Maximum surface temperature	Tamm = the lowest between Ts1 And Ts2						
Motor temperature class ≤ Tamm							