

# Technical Reference

## Hazardous Locations

### Class I Hazardous Locations

#### Flammable Gases, Vapor or Liquids

#### Class I Area Classifications

**Division 1:**

Where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

**Division 2:**

Where ignitable concentrations of flammable gases, vapors or liquids are not likely under normal operating conditions.

**Zone 0:**

Where ignitable concentrations of flammable gases, vapors or liquids are present continuously or for long periods of time under normal operating conditions.

**Zone 1:**

Where ignitable concentrations of flammable gases, vapors or liquids are likely to exist under normal operating conditions.

**Zone 2:**

Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.

#### Class I Groups

**Division 1 and 2**

A (acetylene)  
B (hydrogen)  
C (ethylene)  
D (propane)

**Zone 0, 1 and 2**

IIC (acetylene & hydrogen)  
IIB (ethylene)  
IIA (propane)

#### Class I Temperature Codes

**Division 1 and 2**

T1 ( $\leq 450^{\circ}\text{C}$ )  
T2 ( $\leq 300^{\circ}\text{C}$ )  
T2A, T2B, T2C, T2D  
( $\leq 280^{\circ}\text{C}, \leq 260^{\circ}\text{C}, \leq 230^{\circ}\text{C}, \leq 215^{\circ}\text{C}$ )  
T3 ( $\leq 200^{\circ}\text{C}$ )  
T3A, T3B, T3C  
( $\leq 180^{\circ}\text{C}, \leq 165^{\circ}\text{C}, \leq 160^{\circ}\text{C}$ )  
T4 ( $\leq 135^{\circ}\text{C}$ )  
T4A ( $\leq 120^{\circ}\text{C}$ )  
T5 ( $\leq 100^{\circ}\text{C}$ )  
T6 ( $\leq 85^{\circ}\text{C}$ )

**Zone 0,1 and 2**

T1 ( $\leq 450^{\circ}\text{C}$ )  
T2 ( $\leq 300^{\circ}\text{C}$ )  
---  
T3 ( $\leq 200^{\circ}\text{C}$ )  
---  
T4 ( $\leq 135^{\circ}\text{C}$ )  
---  
T5 ( $\leq 100^{\circ}\text{C}$ )  
T6 ( $\leq 85^{\circ}\text{C}$ )

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# Technical Reference

## Hazardous Locations

### Class II Hazardous Locations

#### Combustible Dusts

#### Class II Area Classifications

**Division 1:**

Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions.

**Division 2:**

Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.

#### Class II Groups

**Division 1 and 2**

E (metals--- Div. 1 only)  
F (coal)  
G (grain)

#### Class II Temperature Codes

**Division 1 and 2**

T1 ( $\leq 450^{\circ}\text{C}$ )  
T2 ( $\leq 300^{\circ}\text{C}$ )  
T2A, T2B, T2C, T2D  
( $\leq 280^{\circ}\text{C}$ ,  $\leq 260^{\circ}\text{C}$ ,  $\leq 230^{\circ}\text{C}$ ,  $\leq 215^{\circ}\text{C}$ )  
T3 ( $\leq 200^{\circ}\text{C}$ )  
T3A, T3B, T3C  
( $\leq 180^{\circ}\text{C}$ ,  $\leq 165^{\circ}\text{C}$ ,  $\leq 160^{\circ}\text{C}$ )  
T4 ( $\leq 135^{\circ}\text{C}$ )  
T4A ( $\leq 120^{\circ}\text{C}$ )  
T5 ( $\leq 100^{\circ}\text{C}$ )  
T6 ( $\leq 85^{\circ}\text{C}$ )

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