



Fire Safety Requirements for Cold Storage Areas

Cold storage areas minor (under 140 m³ capacity)

REQUIREMENTS—SYSTEMS/INSTALLATIONS/EQUIPMENT FOR

- (i) Portable hand-operated approved appliance.

EXTENT

- (i) As appropriate to the plant and construction.

ADDITIONAL REQUIREMENTS

- (i) All linings for acoustic and thermal insulation purposes in ductings and concealed locations shall be of Class 1 or 2 Rate of Surface Spread of Flame as per British Standard 476: Part 7 or its international equivalent, or be brought up to that standard by use of an approved fire retardant product.
- (ii) All linings for acoustic, thermal insulation and decorative purposes within protected means of escape shall be of Class 1 or 2 Rate of Surface Spread of Flame as per British Standard 476: Part 7 or its international equivalent, or be brought up to that standard by use of an approved fire retardant product.
- (iii) Any intended storage or use of dangerous goods as defined in Chapter 295 of the Laws of Hong Kong should be notified to the Director of Fire Services. 4.12

Cold storage areas major (of and over 140 m³ capacity)

REQUIREMENTS—SYSTEMS/INSTALLATIONS/EQUIPMENT FOR

- (i) Automatic fixed installation using water
- (ii) Fire alarm system
- (iii) Portable hand-operated approved appliance

EXTENT

- (i) Dry sprinklers or sprinkler installation operating in dry mode as defined by the Loss Prevention Council Rules to be provided where the cold storage room is entirely given over to storage in an atmosphere of less than 4°C.
- (ii) The system provided to the building to be extended to cover the cold storage area. Visual alarm signals shall be provided where necessary in accordance with current Design Manual: Barrier Free Access.
- (iii) As appropriate to the plant and construction.

ADDITIONAL REQUIREMENTS

- (i) All linings for acoustic and thermal insulation purposes in ductings and concealed locations shall be of Class 1 or 2 Rate of Surface Spread of Flame as per British Standard 476: Part 7 or its 24 international equivalent, or be brought up to that standard by use of an approved fire retardant product.
- (ii) All linings for acoustic, thermal insulation and decorative purposes within protected means of escape shall be of Class 1 or 2 Rate of Surface Spread of Flame as per British Standard 476: Part 7 or its international equivalent, or be brought up to that standard by use of an approved fire retardant product.
- (iii) Any intended storage or use of dangerous goods as defined in Chapter 295 of the Laws of Hong Kong should be notified to the Director of Fire Services.



冷凍品貯存範圍的消防安全規定

小型（容量不足 140 立方米）冷凍品貯存範圍

須裝設的系統／裝置／設備

- (i) 認可的人手操作手提器具

應用範圍

- (i) 視乎廠房和構造而定。

額外規定

- (i) 管道和隱蔽位置內作隔音和隔熱用途的所有襯層均須達英國標準 476：第 7 部表面火焰蔓延率第 1 或第 2 級或同等的國際標準，或使用認可的防火產品把水平提高至同等標準。
- (ii) 防護逃生途徑內作隔音、隔熱和裝飾用途的所有襯層均須達英國標準 476：第 7 部表面火焰蔓延率第 1 或第 2 級或同等的國際標準，或使用認可的防火產品把水平提高至同等標準。
- (iii) 如擬貯存或使用香港法例第 295 章所界定的危險品，應通知消防處處長。

大型（容量達 140 立方米或以上）冷凍品貯存範圍

須裝設的系統／裝置／設備

- (i) 用水作滅火劑的自動固定裝置
- (ii) 火警警報系統
- (iii) 認可的人手操作手提器具

應用範圍

- (i) 冷凍品貯存室如完全作冷凍貯存（溫度在攝氏 4 度以下）用途，應裝設乾式花灑或按照英國防損委員會規定的以乾式操作的花灑裝置。
- (ii) 建築物本身裝設的火警警報系統的覆蓋範圍須擴大至冷凍品貯存範圍。如有需要，須遵照現行《設計手冊：暢通無阻的通道》的規定，提供視像火警信號。
- (iii) 視乎廠房和構造而定。

額外規定

- (i) 管道和隱蔽位置內作隔音和隔熱用途的所有襯層均須達英國標準 476：第 7 部表面火焰蔓延率第 1 或第 2 級或同等的國際標準，或使用認可的防火產品把水平提高至同等標準。
- (ii) 防護逃生途徑內作隔音、隔熱和裝飾用途的所有襯層均須達英國標準 476：第 7 部表面火焰蔓延率第 1 或第 2 級或同等的國際標準，或使用認可的防火產品把水平提高至同等標準。
- (iii) 如擬貯存或使用香港法例第 295 章所界定的危險品，應通知消防處處長。