



## **Fire Safety Requirements for Cold Storage Areas**

### **Cold storage areas minor (under 140 m<sup>3</sup> 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 m<sup>3</sup> 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.



## 冷冻品贮存范围的消防安全规定

### 小型（容量不足 140 立方米）冷冻品贮存范围

须装设的系统／装置／设备

- (i) 认可的人手操作手提器具

应用范围

- (i) 视乎厂房和构造而定。

额外规定

- (i) 管道和隐蔽位置内作隔音和隔热用途的所有衬层均须达英国标准 476: 第 7 部表面火焰蔓延率第 1 或第 2 级或同等的国际标准, 或使用认可的抗火产品把水平提高至同等标准。
- (ii) 防护逃生途径内作隔音、隔热和装饰用途的所有衬层均须达英国标准 476: 第 7 部表面火焰蔓延率第 1 或第 2 级或同等的国际标准, 或使用认可的抗火产品把水平提高至同等标准。
- (iii) 如拟贮存或使用香港法例第 295 章所界定的危险品, 应通知消防处处长。

### 大型（容量达 140 立方米或以上）冷冻品贮存范围

须装设的系统／装置／设备

- (i) 用水作灭火剂的自动固定装置
- (ii) 火警警报系统
- (iii) 认可的人手操作手提器具

应用范围

- (i) 冷冻品贮存室如完全作冷冻贮存（温度在摄氏 4 度以下）用途, 应装设干式花洒或按照英国防损委员会规定的以干式操作的花洒装置。
- (ii) 建筑物本身装设的火警警报系统的覆盖范围须扩大至冷冻品贮存范围。如有需要, 须遵照现行《设计手册: 畅通无阻的通道》的规定, 提供视像火警信号。
- (iii) 视乎厂房和构造而定。

额外规定

- (i) 管道和隐蔽位置内作隔音和隔热用途的所有衬层均须达英国标准 476: 第 7 部表面火焰蔓延率第 1 或第 2 级或同等的国际标准, 或使用认可的抗火产品把水平提高至同等标准。
- (ii) 防护逃生途径内作隔音、隔热和装饰用途的所有衬层均须达英国标准 476: 第 7 部表面火焰蔓延率第 1 或第 2 级或同等的国际标准, 或使用认可的抗火产品把水平提高至同等标准。
- (iii) 如拟贮存或使用香港法例第 295 章所界定的危险品, 应通知消防处处长。