

**General Terms and Conditions  
Use and layout of rooms with sprinkler(s)**

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## **1 Introduction**

### **1.1 General**

This document contains the terms and conditions that need to be observed in order to allow the sprinkler safety system in Royal FloraHolland's buildings to operate optimally and efficiently. The sprinkler terms and conditions are based on the sprinkler design as set out in the system's Basic Assumptions Document or Program of Requirements (PoR). Differences in sprinkler designs cause differences in some of the terms and conditions too. There are also differences because sprinkler systems are sometimes based on American regulations (Aalsmeer) and sometimes European regulations (Naaldwijk and Rijnsburg). These terms and conditions must be observed by both the Lessees and the users of the rooms in question. Both are hereinafter referred to as: the Lessee or the User.

### **1.2 Legal framework**

These terms and conditions are supplementary to and provide further interpretation of the Auction Regulations, the Building Decree and the Environment and Safety Brochure. The Environment and Safety Brochure contains general points for attention for the areas where a sprinkler system is present. These will be elaborated upon in further detail in this document.

The Auction Regulations shall apply in full. Article 3, paragraph 3 of the Auction Regulations explains that instructions relating to fire prevention and safety enhancement must be followed immediately. These terms and conditions should be regarded as fire prevention and safety enhancing instructions.

The lease conditions describing that the Lessee may not alter the leased property or install facilities without the Lessor's written consent apply to the leased rooms. If a requested change is honored, the terms and conditions in this document shall apply to this change.

If these terms and conditions are not observed, this may result in sanctions and/or ultimately to termination of the lease contract. It may also result in liability in the context of the buildings insurance and/or consequential damage.

## **2 General terms and conditions/general terms and conditions of use**

### **2.1 Work carried out on the sprinkler system**

Work/technical work carried out on the sprinkler system may only be performed by or on behalf of Royal FloraHolland.

### **2.2 Sprinklers and sprinkler pipes**

No objects should be hung on the sprinklers or the sprinkler pipes. Sprinklers should not be painted or otherwise camouflaged with tape, paper, decorative materials etc.

When installing sprinklers where there is a major risk of mechanical damage, special protective baskets can be installed around the sprinklers at the request and expense of the Lessee, by or on behalf of Royal FloraHolland.

### **2.3 Accessibility**

All components of the sprinkler system such as valves/test valves, return valves and flow switches must be freely accessible at all times.

### **2.4 Duty to report**

The Lessee/User must report unusual matters such as damage to sprinklers and leaks to Customer Service as soon as possible (current telephone number +31 (0)88 789 89 89). Urgent matters can be reported via the alarm number for the Security Service at that site.

### **2.5 Heating rooms with sprinklers**

The sprinkler pipeline network is filled with water up to the sprinklers. Whenever rooms are not kept sufficiently frost-free, the pipeline network and the sprinklers may freeze. Freezing jeopardizes the effect of the sprinklers, as well as causes leaks. The normal ambient temperature should therefore be at least 4°C.

If the ambient temperature is less than 4°C, such as in cold stores, specific measures need to be taken to prevent the pipeline network from freezing, unless it has been proven that there is no risk of frost.

An example of a measure in areas where there is a risk of frost is the use of 'dry sprinklers' connected to the sprinkler pipeline network outside of the cold store. These 'dry sprinklers' have been created specifically for cold stores and are filled with water up to the joint and not up to the sprinkler. Because the joint is located outside of the cold store, there is no risk of freezing. It is, however, important that the lead-through on the 'dry sprinkler' remains well sealed to prevent condensation from forming.

For larger cold stores or rooms that are susceptible to a risk of frost, it is possible to keep the entire system dry or supply it with antifreeze.

## **2.6 Controls**

In the event that the sprinkler system is activated, systems that can spread a fire will be switched off. This includes air treatment systems, as well as specific systems in the leased rooms, such as transportation systems. Controls must not be restricted or dismantled. When installing or changing these systems, controls will also have to be added or altered in many cases. In this case, the Lessee of the room where the equipment is installed, is being installed or is being altered must also bear the resulting costs for the sprinkler system.

## **2.7 Obstructions**

Obstructions must not be installed underneath or immediately next to the sprinklers that disrupt the sprinklers' spraying pattern. A few examples of obstructions are ducts, light fittings, pipelines, cable ducts, advertising signs etc.

If an obstruction is present or is being installed underneath a sprinkler, causing a delay in the functioning of that sprinkler or disrupting that sprinkler's spray pattern, extra sprinklers must be installed underneath that obstruction.

## **2.8 Heating equipment and spotlights**

Heating equipment, spotlights (halogen) or other equipment that emits plenty of heat must not be fitted close to the sprinklers (in most cases, the sprinklers' operating temperature is around 68°C).

If heat-emitting equipment has to be installed near the sprinklers regardless, the sprinklers must be replaced with sprinklers with a higher operating temperature by or on behalf of Royal FloraHolland.

## **3 Additional requirements in the event of changes**

### **3.1 Changes to use, purpose and layout of room**

According to the lease conditions, the Lessee may only alter the leased property with the Lessor's written consent. In the context of the sprinkler safety system, it is determined that even the use, the purpose and the classification of the room may not be altered without the Lessor's consent, insofar as this may have an effect on a sprinkler. In any case, this is understood to mean: installing racks that fail to meet the conditions as stipulated in § 6.13 or 7.5 below. When making relevant changes to conditions in the room to operate the sprinkler system, the Lessor must be contacted, as changes in conditions may also cause changes to the sprinkler safety system. The Lessee must cover any costs incurred.

### **3.2 Internal renovations**

If you want to install or move walls (that reach to the ceiling), these should in principle be installed in the center, between two rows of sprinklers.

Separate and mobile rooms with an enclosed ceiling (such as portable buildings etc.) must be fitted with sprinklers.

### **3.3 Suspended ceilings**

No enclosed/partially enclosed suspended ceilings may be installed underneath the sprinklers, unless additional sprinklers are fitted under that ceiling.

When sprinklers are installed under suspended ceilings, the entire ceiling structure must possess mechanical strength such that it may be assumed that its enclosed nature, as well as its dimensional stability (i.e. no workable plastics) is at least retained until the sprinklers are activated.

The plenum space must also be fitted with sprinklers above the suspended ceiling. This rule may be deviated from in exceptional circumstances if the risk of fire and the spreading of fire can be sufficiently ruled out. However, this must be judged on a situation-by-situation basis in consultation with the Lessor. The installation of suspended lattice ceilings is not permitted.

## **4 Inspection and liability**

### **4.1 Inspection**

The sprinkler safety system is inspected periodically by an inspection authority by order of Royal FloraHolland.

The Lessee must grant the inspection authority access to the room(s) for inspection purposes.

The inspection results in an inspection report. If the inspection report reveals that measures need to be taken in the leased areas, Royal FloraHolland shall notify the Lessee in question about this. In the event that the shortcomings identified are a result of acts or omissions of the Lessee and/or box users, the Lessee must rectify these measures within the stipulated period at its own expense.

### **4.2 Liability**

The arrangements concerning Liability are described in the Auction Regulations and the lease conditions.

## **5 Terms and conditions of storage**

In the terms and conditions below, 'storage' also applies to any temporary stay/installation of items/fabrics. Examples can be found in Appendix 3 (Aalsmeer) and Appendix 4 (Rijnsburg/Naaldwijk).

In addition to general terms and conditions, specific terms and conditions apply that depend on the design of the building and the risk class for the sprinkler system used. A drawing in Appendix 5 indicates the parts of Royal FloraHolland's building in which each risk class applies. From § 6 onwards, the terms and conditions that apply to the different risk classes are stated. The codes for the risk classes correspond to the codes on the drawings.

### **5.1 Deviations**

Occasional deviations from these terms and conditions are sometimes possible, following Royal FloraHolland's prior written consent. When evaluating these deviations, the sprinkler design as laid down in the Basic Assumptions Document or Program of Requirements (PoR) of the system on site is leading. If the deviation is permitted, additional organizational terms and conditions are usually placed on this deviation and/or additional changes are made to the sprinkler system. In addition, additional organizational terms and conditions are usually placed and/or additional changes made to the sprinkler system.

The Lessee/User of the room for which the deviation is required is accountable for its implementation and the implementation is at his own risk.

### **5.2 Free space under the sprinkler**

To allow the sprinklers to work properly, a free space must be retained under the sprinklers across the entire surface of the ceiling. This minimum free space (measured vertically) depends on the risk class (0.45 m - 0.9 m). The minimum free space is stated in the terms and conditions of storage for each risk class. For additional sprinklers in racks, a different minimum free space (0.15 m) applies.

### **5.3 Combination of items**

In the event of a situation in which items of various categories are stored together, the lowest permitted storage height must be retained in order to determine the maximum storage height.

### **5.4 Specific storage**

Flammable liquids, and items that act as flammable liquids in the event of fire, such as adhesives and aerosols with flammable content, may not be stored. To store these items, alterations to the sprinkler system, as well as structural provisions are required. In this case, the person causing the alterations shall also bear the costs. It is permitted to have small quantities available for small-scale use, such as cleaning activities. In this case, a maximum quantity of 10 kg or liters applies, and consent is also required from the Lessor, in accordance with the Environment and Safety brochure.

#### **5.4.1 Empty wooden and plastic pallets**

The concentrated storage of empty wooden and plastic pallets forms a major challenge for a sprinkler system. Such storage should be avoided, but is often unavoidable.

Specific terms and conditions are often recorded for the storage of empty wooden and plastic pallets.

## 6 Specific additional Terms and Conditions of Storage – Aalsmeer

### 6.1 Item classification

Examples of the category classification of items that apply to the site in Aalsmeer are provided in Appendix 3 of these terms and conditions. In the event of a situation in which items from various categories are stored together, in order to determine the maximum storage height, the highest occurring category is retained.

### 6.2 Aerosols and flammable liquids

Flammable liquids, items that act like flammable liquids

(adhesives) and aerosols containing flammable content may not be stored.

It is, however, permitted to have small quantities (i.e. a usage stock) present without the need for additional provisions.

In the shops in the Cultra area, a larger stock of aerosols may be stored on the understanding that:

- the content of the aerosols 'in and of themselves' does not exceed 0.95 dm<sup>3</sup> or a liquid content in excess of 450 grams.
- the quantity/total quantity is limited to a maximum of 40 dm<sup>3</sup> per shop unit;
- the aerosols in fixed racks with shelves are stored up to a maximum height of 2.4 m, or
- in any other form of storage up to a maximum of 1.8 m high.

These restrictions do not apply to aerosols that have an entirely non-flammable content.

### 6.3 Storage in rooms without sprinklers

Flammable items must not be stored above ceilings or under large mobile workbenches in rooms without sprinklers in an area for lift shafts, electrical equipment and individual rooms.

### 6.4 Light Hazard (LH) and Ordinary Hazard 1 (OH1) (office spaces)

Concentrated storage is not permitted in these rooms. At most, regular user goods (food products, office items and cleaning areas etc.) may be distributed between the levels of the building and stored in rooms surrounded by walls and no bigger than 20 m<sup>2</sup>. The items must not be stored any higher than up to 0.45 m under the sprinkler. Items largely consisting of plastic/foamed plastic may be limited to a maximum of 1.5 m.

Concentrated storage is permitted (notwithstanding the general terms and conditions of storage) for office spaces in the ECA and LMC where the risk class has been elevated to Ordinary Hazard 1. The items must not be stacked any higher than 2.4 m.

### 6.5 Extra Hazard – Sloped Roof (EH-SR)

Concentrated storage is not permitted in these rooms. At most, the following situations may occur, spread across the room:

- transportation and storage of merchandise on metal, portable auction trolleys, Danish containers or occasional stacks up to a height of no more than 3.0 m;
- transportation and storage of empty boxes of packaging materials on metal, portable auction trolleys, Danish containers or occasional stacks up to a height of no more than 3.0 m;
- transportation and storage of empty plastic drums on metal, portable auction trolleys, Danish containers or occasional stacks up to a height of no more than 2.0 m;
- transportation and storage of empty wooden and plastic pallets on metal, portable auction trolleys or occasional stacks up to a height of no more than 1.5 m;
- vehicles in the form of electric tow tractors, cars and catering vans.

A clearly designated area for storing items may only occur:

- in separate rooms fitted with a suspended ceiling structure (with sprinklers), or

- in a room separated by a partition surrounded by non-flammable separating structures, the size of which is limited to a maximum of 20 m<sup>2</sup> and a stacking height of 3.0 m, or
- racks fitted with rack sprinklers.

### 6.6 Extra Hazard 2 (EH2)

Free space: The minimum vertical free space under the sprinklers is 0.45 m

The storage heights stated below may not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	3.0 m	3.0 m
'Hard' plastics packaged in cardboard	3.0 m	3.0 m
'Hard' plastics not packaged in cardboard	3.0 m	3.0 m
Foamed plastics packaged in cardboard	3.0 m	3.0 m
Foamed plastics not packaged in cardboard	3.0 m	3.0 m
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	3.7 m	Not permitted, except at floor level
Empty wooden pallets	1.8 m	Not permitted
Empty wooden pallets	1.2 m <sup>1)</sup>	Not permitted
Comments		
1) A maximum of two joint stacks surrounded by a free space (aisle) of 2.4 m.		
2) Wherever a joint storage (over five pallet locations or five auction trolleys) of foamed plastic (Styrofoam) items not packaged in cardboard is stored, a maximum permitted storage height of 1.5 m still needs to be maintained.		

### 6.7 Extra Hazard - High Ceiling (EH-HC)

Free space: The minimum vertical free space under the sprinklers is 0.91 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	7.6 m	Only permitted in combination with rack sprinklers
'Hard' plastics packaged in cardboard	7.6 m	
'Hard' plastics not packaged in cardboard	4.6 m <sup>1)</sup>	Storage height depends on number of levels of rack sprinklers
Foamed plastics packaged in cardboard	4.6 m <sup>1)</sup>	
Foamed plastics not packaged in cardboard	4.6 m <sup>1)</sup>	
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	4.6 m <sup>1)</sup>	Not permitted, except at floor level
Empty wooden pallets	3.0 m <sup>2)</sup>	Not permitted
Empty plastic pallets	3.0 m <sup>2)</sup>	Not permitted
Comments		
1) A storage height of 7.6 m is permitted for items that satisfy the definition of 'unstable piles'. This relates to items for which it can be said with certainty that when the fire starts, the stack of items will collapse and topple over.		
2) The size of a joint stack of empty pallets must be limited to a maximum of 93 m <sup>2</sup> .		

### 6.8 Extra Hazard – Loading Docks (EH-LD)

Free space: The minimum vertical free space under the sprinklers is 0.45 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	3.7 m	3.7 m
'Hard' plastics packaged in cardboard	1.5 m <sup>1)</sup>	1.5 m <sup>1)</sup>
'Hard' plastics not packaged in cardboard	1.5 m	1.5 m
Foamed plastics packaged in cardboard	1.5 m	1.5 m
Foamed plastics not packaged in cardboard	1.5 m	1.5 m
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	1.5 m	1.5 m
Empty wooden pallets	1.8 m	Not permitted
Empty plastic pallets	Not permitted	Not permitted
Comment 1) Occasional storage (10% of the total floor surface) of plastics up to a height of 3.7 m is permitted, provided that these items are packaged in cardboard and have been divided into blocks of no more than 93 m <sup>2</sup> , surrounded by a free space of at least 7.6 m.		

#### 6.9 CMSA – Concrete Structure (CMSA-BB)

The sprinkler design is a CMSA system

Free space: The minimum vertical free space under the sprinklers is 0.91 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	7.6 m	7.6 m
'Hard' plastics packaged in cardboard	7.6 m	7.6 m
'Hard' plastics not packaged in cardboard	7.6 m	7.6 m
Foamed plastics packaged in cardboard	5.5 m (maximum building height 7.9 m)	Not permitted
Foamed plastics not packaged in cardboard		
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	7.6 m	Not permitted, except at floor level
Empty wooden pallets	6.1 m	Not permitted
Empty plastic pallets	3.05 m	Not permitted

#### 6.10 EH – Center Building (EH-MB)

The sprinkler design is an ESFR system.

Free space: The minimum vertical free space under the sprinklers is 0.91 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	6.1 m	7.6 m
'Hard' plastics packaged in cardboard	6.1 m	7.6 m
'Hard' plastics not packaged in cardboard	6.1 m	7.6 m
Foamed plastics packaged in cardboard	1.5 m	Not permitted
Foamed plastics not packaged in cardboard		
Empty wooden pallets	6.1 m	6.1 m
Empty plastic pallets	6.1 m	6.1 m

### 6.11 CMSA - Steel Structure (CMSA-ST)

The sprinkler design is a CMSA system

Free space: The minimum vertical free space under the sprinklers is 0.91 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	6.1 m	6.1 m
'Hard' plastics packaged in cardboard	6.1 m	6.1 m
'Hard' plastics not packaged in cardboard	6.1 m	6.1 m
Foamed plastics packaged in cardboard	5.5 m	Not permitted
Foamed plastics not packaged in cardboard		
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	6.1 m	Not permitted, except at floor level
Empty wooden pallets	6.1 m	Not permitted
Empty plastic pallets	3.05 m	Not permitted

### 6.12 Logistics Resources Center (EH-LMC)

The sprinkler design is an ESFR system.

Free space: The minimum vertical free space under the sprinklers is 0.91 m.

The storage heights stated below must not be exceeded either.

Classification	Block storage	Pallet racks
Commodity Class I to IV	6.1 m	6.1 m
'Hard' plastics packaged in cardboard	6.1 m	6.1 m
'Hard' plastics not packaged in cardboard	6.1 m	6.1 m
Foamed plastics packaged in cardboard	6.1 m	6.1 m
Foamed plastics not packaged in cardboard	Not permitted	Not permitted
Five-sided enclosed flammable vessels, drums, boxes etc. with an open top	6.1 m	Not permitted, except at floor level
Empty wooden pallets	6.1 m	6.1 m
Empty plastic pallets	6.1 m	6.1 m

However, in the hall, for storage higher than four meters, additional restrictions apply to prevent damage to systems such as for line lighting.

### 6.13 Storage in racks

#### 6.13.1 Vertical draft ducts in pallet racks

Flue spaces, or longitudinal and transverse draft ducts, are the free spaces surrounding pallet positions (between the pallets between themselves in all directions).

A transverse draft duct is the necessary free space parallel to the direction of the load of the pallet (between the pallets and next to the supports). A longitudinal draft duct is the draft duct transverse to the direction of the load, and therefore transverse to the transverse draft ducts (between racks).

Vertical draft ducts are basically required around each pallet or pallet site. Here, the maximum surface per pallet/pallet location does not exceed 1.9 m<sup>2</sup>. Even when items are stored separately in a rack, the storage must be positioned in such a way that a virtual pallet size/location of 1.9 m<sup>2</sup> is not exceeded.

Due to the overall height of the rack, vertical draft ducts must be located immediately above and have a width of approximately 150 mm, but a net width of at least 75 mm. The net width is the width between the items after removing obstructions in the draft duct such as construction parts, shelves, planks etc.

In the event that the required draft ducts haven't been built or haven't been built in full, the situation is regarded as storage with fully enclosed shelves.

Items must not be stored in the aisles.

#### **6.13.2 Enclosed or partly enclosed shelves in pallet racks**

Racks with grilles, planks, or sealed shelves may be regarded as racks with open shelves under the following conditions:

##### **Grilles**

- grilles that are at least 50% open;
- the requirements relating to longitudinal and transverse ducts apply.

##### **Planks**

- permanently attached planks whereby in the longitudinal ducts of double pallet racks, as well as at the site of the transverse ducts next to the supports, a net distance of at least 75 mm is remaining;
- the longitudinal and transverse ducts must be guaranteed throughout the entire rack from top to bottom.

##### **Sealed shelves:**

- sealed shelves with a surface of at least 1.9 m<sup>2</sup> per shelf;
- around each shelf, a free space of preferably 150 mm, but at least 75 mm net (in line as effectively as possible vertically);
- the longitudinal and transverse ducts must be guaranteed throughout the entire rack from top to bottom.

##### **Cultra exception**

As opposed to the above, storage in racks with enclosed shelves – in the Cultra only – is permitted if all of the terms and conditions listed below are met:

- the total storage height is limited to a maximum of 4.6 m;
- the rack height with enclosed shelves is limited to a maximum of 3.7 m or finished with a shelf width of no more than 1.2 m;
- the aisle width must be at least 0.9 m;
- the overall length of an interconnected row of racks must not exceed 21 m;
- the shelves may be made of chipboard;
- Only Commodity Class I to IV and plastics/plastics packaged in cardboard, not including foamed plastics, may be stored in the racks.

#### **6.13.3 Auction trolleys**

If these auction trolleys have been sealed at one or more levels, this form of storage must be regarded as "racks with entirely enclosed shelves" and "multiple row racks". The maximum permitted surface area per shelf may be 1.9 m<sup>2</sup> surrounded by a free space of around 150 mm.

#### **6.13.4 Shelf racks**

Racks with narrow enclosed shelves may be regarded as separately stacked storage under the following conditions:

- the shelves have a depth of at least 0.76 m;
- aisles with a width of around 0.76 m;
- the maximum storage height is 4.6 m.

When two racks are placed back to back against each other, the following applies:

- each of the shelves has a depth of at least 0.76 m;
- the two racks are completely separated by a partition (plywood 9.5 mm, metal approximately 0.7 mm etc.);
- the rack is no more than 13.7 m long; if longer, the rack must be divided up using a partition to a maximum length of 13.7 m;
- the partition may contain holes with a maximum diameter of 6.4 mm;
- a longitudinal draft duct in the center between the two racks is not permitted;
- the maximum storage height is 4.6 m.
- the minimum aisle width is 0.76 m.

#### **6.13.5 Stackable pallets ("Portable racks")**

Stackable pallets should, subject to the conditions stated below, be regarded as racks with open shelves:

- enclosed bases with a surface area of no more than 1.9 m<sup>2</sup>;
- when bases are enclosed, boxes must not be stacked against each other, but the stacks should be surrounded by a free space of at least 75 mm;
- if vertical flammable surfaces occur within the wire box, the base must be at least 70% open;
- the design must be open so that extinguishing water cannot collect in it.

## 7 Specific additional Terms and Conditions of Storage – Naaldwijk and Rijnsburg

### 7.1 Item classification

Examples of the category classification of items that apply to the site in Naaldwijk and Rijnsburg are provided in Appendix 4 of these terms and conditions. In the event of a situation in which items from various categories are stored together, in order to determine the maximum storage height, the highest occurring category is retained.

### 7.2 Aerosols and flammable liquids

Flammable liquids, items that act like flammable liquids

(adhesives) and aerosols containing flammable content may not be stored.

It is, however, permitted to have small quantities (i.e. a usage stock) present without the need for additional provisions.

### 7.3 Storage in rooms without sprinklers

No flammable items may be stored underneath machines or under large mobile workbenches in rooms without sprinklers for shafts/lift shafts, electrical equipment, separate spaces above ceilings, stairwells, toilet and shower rooms as well as in foundation space, as this may cause dirt to gather.

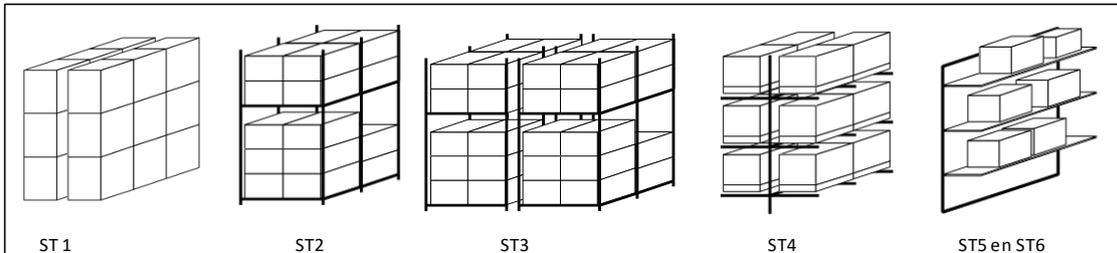
### 7.4 Storage of items

Free space: The minimum free space under the sprinklers is 0.5 m for risk class N and 1.0 m for risk class H. The storage heights listed below must not be exceeded either.

Storage method	Block storage (ST1)				Storage in racks (ST2 to ST6)			
Classification →	NIII-NIV	H7.5	H10	H12.5	NIII-NIV	H7.5	H10	H12.5
Storage height category 1	4.0 m	5.3 m	6.5 m	7.6 m	3.5 m	4.7 m	5.7 m	6.8 m (5.0 m ST3-5-6)
Storage height category 2	3.0 m	4.1 m	5.0 m	5.9 m	2.6 m	3.4 m	4.2 m	5.0 m
Storage height category 3	2.1 m	2.9 m	3.5 m	4.1 m	1.7 m	2.2 m	2.6 m	3.2 m
Storage height category 4	1.2 m	1.6 m	2.0 m	2.3 m	1.2 m	1.6 m	2.0 m	2.3 m
Comment Where the free height between roof level and the aforementioned storage height exceeds 4 m, storage is not permitted without additional conditions. In the case of storage in racks, sprinklers must be installed in between the racks.								

The storage configuration must be classified as follows:

Storage method	
ST1	Storage freestanding or in blocks
ST2	Stackable box or post pallets in a few rows with aisles of at least 2.4 m wide
ST3	Stackable box or post pallets in multiple rows (including double rows)
ST4	Open pallet racks
ST5	Racks with enclosed or partially enclosed shelves less than one meter wide
ST6	Racks with enclosed or partially enclosed shelves between one and six meters wide



### 7.5 Additional conditions for different storage configurations including racks

For an adequate sprinkler protection system, the following restrictions and safety requirements must be met:

ST#	Restrictions	Additional requirements
ST1	Storage for risk class NIII or NIV must be divided into blocks with a ground surface of no more than 50 m <sup>2</sup> . Storage for risk class H must be divided into blocks with a ground surface of no more than 150 m <sup>2</sup> . A free space of at least 2.4 meters must be present around this block.	None
ST2	Aisles between rows no narrower than 2.4 m	None
ST3	Storage must be divided into blocks with a ground surface of no more than 150 m <sup>2</sup> . A free space of at least 2.4 meters must be present around this block.	None
ST4	Aisles between rows of at least 1.2 m or wider The free space between the items set up back to back in racks must be at least 0.15 m.	It is recommended that sprinklers are placed in between
	Aisles between rows of less than 1.2 m wide The free space between the items set up back to back in racks must be at least 0.15 m.	Sprinklers must be placed in between
ST5	Aisles must be at least 1.2 m wide, or storage must be divided into blocks with a ground surface of no more than 150 m <sup>2</sup> . A free space of at least 2.4 meters must be present around this block.	It is recommended that sprinklers are placed in between
ST6	Aisles must be at least 1.2 m wide, or storage must be divided into blocks with a ground surface of no more than 150 m <sup>2</sup> . A free space of at least 2.4 meters must be present around this block.	Sprinklers must be placed in between, or, if that is not possible, vertical fire screens (non-flammable according to European class A1 or A2 or equivalent in accordance with the Dutch classification system) should be installed in the longitudinal and transverse ducts on each shelf.

## **8 What to do in the event that the sprinkler system is activated**

A sprinkler system will open if it detects a fault in the heat-sensitive element. When the sprinkler opens, the water will begin to spray and the fire department and other relevant parties will be alerted automatically.

### **8.1 In the event of fire**

In the event of fire, it is necessary for you to alert the Security Service on the alarm number below, providing them with further information about the location and nature of the fire. The incident will be dealt with by the Security Service and the fire department/Company Fire Service.

#### **Emergency numbers**

Aalsmeer: +31 (0)297 392222

Naaldwijk: +31 (0)174 632333

Rijnsburg: +31 (0)71 4094200

### **8.2 In the event of damage**

A sprinkler may also open as a result of damage. In this case, the fire department and other interested parties will be alerted automatically.

In the event of damage, it is necessary that you alert the Security Service at the alarm number above. They will then be able to shut off the water supply. You are not permitted to shut off the supply yourself.

Should you damage a sprinkler or come across a damaged sprinkler that is yet to be activated, you must contact Customer Service at +31 (0)88 789 89 89. This will enable them to take measures in good time to prevent any unwanted activation.