



Window Treatments NZ Ltd is the exclusive Fabricator and Distributor of Yewdale Hospital curtain tracks in New Zealand.

Fabricated right here in New Zealand, Window Treatments not only fabricates but provides a nationwide measure, quote and installation service.

**yewdale Kestrel<sup>®</sup>**  
MAGNETIC ANTI-LIGATURE SYSTEM

For cubicle tracks, shower tracks & hospital curtains. By Window Treatments



SPECIFICATIONS

**Window Treatments NZ Ltd**

See things differently

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# YewdaleKestrel® the magnetic anti-ligature system range

The only fail-safe\* range of exclusive anti-ligature products designed to maximise the safety of people by removing the potential of harm where secure care is required.

The YewdaleKestrel® magnetic anti-ligature system provides a highly effective method of saving the lives of service users. It also gives peace of mind to their carers by ruling out the chance of self-harm.



## SPECIFICATIONS

The Yewdale Hospital curtain tracks options include:

- 100 Cubicle Track & components (Yewdale Movatrack),
- 100 Shower Track and components (Yewdale Movatrack),
- K100 Cubicle Anti-ligature Track and components (Yewdale Kestrel)
- K100 Shower Anti-ligature Track and components (Yewdale Kestrel)



## The YewdaleKestrel® Anti-Ligature System FAQs

Providing an environment that is conducive towards a peaceful way of life and an area of calm ensures resident users are calmer, happier and easier to manage and care for. Pair this with the peace of mind for the carer community, knowing that all avenues to prevent ligature risks have been researched and the appropriate measures installed. With an ever-increasing host of options available to the health care sector, why should there still be cause for alarm?

Many systems on the market cover their product offering with a small-print reference to the limitation of a safety product as opposed to a fully anti-ligature solution. For help when making your next decision, or to check how your current system fares with regards to a fail-safe\* industry standard have a quick read through the 5 points listed below. If you would like a non-obligatory, unbiased view of your system from an anti-ligature specialist, please call the anti-ligature support team on 0800 36 36 39.

### Can it be jammed?

Any product that involves a male coupling inserting into a female coupling has the potential to jam. Service users have been known to wrap a small amount of toilet paper tissue around a male coupling prior to inserting it carefully back into its female socket. The subsequent action supported enough weight to increase the safe breakaway amount and a ligature opportunity arose.

With the YewdaleKestrel® magnetic anti-ligature system there are no male and female sockets. Two surfaces instead make up the fail-safe\* element of the scheme and cannot be jammed by additional products. The edge of the disk that joins the magnet is chamfered as standard and is difficult to be jammed laterally.

### Does the product fail if pulled sideways?

Some systems available in the global market offer similar friction based devices however these are designed to activate a release function when a direct downward motion is created. If the direct motion works in a direction other than straight down, the shape of the male item has been proved to cause the release coupling to jam up rather than release. If your option has the potential to work in this way, you need to be aware that a ligature point can be arrived at by moving the downward force to an angle of less than 90°, commonly known as a sideways jam.

The YewdaleKestrel® magnetic anti-ligature system works by short-range magnetic attraction. As with all short-range magnets the slightest movement of the magnetic surface away from the magnet will cancel out the force of the magnetic field and guarantees a release action. This action works with any downward motion regardless of which direction the pressure is applied from.

### Do you have to replace parts after it prevents a ligature?

The construction of certain safety systems relies on the shearing of smaller plastic components to ensure the product becomes detached in the event of an increase in the supported weight capacity. The use of couplings that shear means that they have to be replaced before the product can be again used in its previous location. This adds unnecessary inconvenience to the staff in any organisation whilst the product is unavailable to be used, and requires replacement.

The YewdaleKestrel® magnetic anti-ligature system works solely on the principle of magnetic attraction and uses no breakable parts for this. In the event of an incident occurring, resulting in it becoming detached from its mounting, all that is required is for the item to be held immediately below the magnetic bracket where the magnetic force will raise the item back into position with no wasted downtime suffered.

### Will it bring a whole system down?

The strength of any system is often gained by coupling multiple items together to make one complete package. This does not work in your favour however when one part of the system releases due to an increased load being applied. Whilst this will still ensure that the system operates in its ligature-prevention purposes, additional damage and injury can occur due to the 'domino' effect of increased pressure being applied to the rest of the system as a result.

The YewdaleKestrel® magnetic anti-ligature divider curtain track system has been carefully designed to operate as individual tracks in the event of an incident whilst still being able to work together along with other individual YewdaleKestrel® tracks when built into a larger package. For more details, call the anti-ligature support team on 0800 36 36 39.

### Will constant use make it more vulnerable to failure?

The effect of usage of almost any product/system makes it subject to gradual physical deterioration regardless of age, use, and/or weathering. In similar effect the use of friction-based facilities can be subject to 'wear and tear' resulting in increased tolerances over time. Although this will not necessarily unduly affect the anti-ligature properties of the application it can result in the system releasing prematurely and causing more problems.

In a direct contrast, the philosophy of the YewdaleKestrel® magnetic anti-ligature system is based entirely around the principle of the forces of magnetism. Permanent magnets will retain their magnetic properties indefinitely and are not subject to decline, nor the forces of 'wear and tear'.

	YewdaleKestrel®	Socket / Friction
Impossible to jam	✓	✗
Sideways pull test pass	✓	✗
Anti-domino effect	✓	✗
Total collapse system	✓	✗
Toothpaste test	✓	✗
Easy to put back in place	✓	✗
Polycarbonate plastic	✓	✗
100% consistent	✓	✗
Fail-safe*	✓	✗
Full package	✓	✗
Is it a safety product	✓	✓

# The YewdaleKestrel® Anti-Ligature Technical & Safety Information

## Technical & Safety

Research has identified that people are at the greatest risk of death by ligature in areas of mental health hospital environments, and in prison and detention centres. Service users in these areas have a tendency to be overly irrational in their behaviour and hence need an especially high level of care. Ligature points can be formed from a variety of innocuous items commonly found in a room, and so great care needs to be taken when a room is being designed and the anti-ligature items are being specified.

YewdaleKestrel® anti-ligature systems are designed to separate from their magnetic brackets when excessive weight is applied. They are easily reattached to keep the system functioning fully.

In use as a permanent feature for well over 10 years in many UK psychiatric institutions and prisons, and globally in mental health facilities, the YewdaleKestrel® magnetic anti-ligature system lends itself to bespoke requirements of varied environments.

As a result, YewdaleKestrel® products are designed as standalone products only. Care should be taken when assessing or arranging a room to ensure that YewdaleKestrel® products cannot be misused in conjunction with any other item, furniture or fixings in the room.

It is the responsibility of the end user or client to ensure the product is suitable for the environment it is being installed in. YewdaleKestrel® products must be fitted by a qualified professional following the manufacturer's instructions. Failure to do so could jeopardise the product's effectiveness as an anti-ligature system.

## Wall fix bracket

Wall-fix bracket in unbreakable polycarbonate, with smoothly contoured and angled top surface for safety.

Dimensions: L48mm W37mm H60mm



## Top fix bracket

The top-fix bracket in unbreakable polycarbonate. Slim profile, with all fixings concealed - an essential safety feature.

Dimensions: L82mm W57mm H12mm

## What the term fail-safe means in our literature\*

The 'fail-safe' guarantee is only applicable in an anti-ligature environment where the system cannot be used in conjunction with anything else to create a ligature point. YewdaleKestrel® systems are guaranteed to safely separate every time excessive weight is applied to the device, but it is the responsibility of the installer and end user to ensure that the YewdaleKestrel® anti ligature system cannot be used unsafely afterwards.

Window Treatments NZ Ltd cannot be held responsible for any actions of the user that may result in the creation of a ligature point through misuse of YewdaleKestrel® systems before or after it has separated from its magnetic brackets.

## Using the YewdaleKestrel® anti-ligature system safely

To ensure the safety of the YewdaleKestrel® anti-ligature device, you must follow the below points.

- Failure to install the system correctly jeopardises the system's effectiveness.
- YewdaleKestrel® systems should not be used in conjunction with any other brand of anti-ligature products.
- YewdaleKestrel® systems only maintain their effectiveness in an anti-ligature environment which is geared towards ensuring the safety of the service user.
- Due to the strong magnets used in YewdaleKestrel® anti-ligature systems should not be placed near sensitive electronic equipment. Keep at least 150mm clearance of the underside of the brackets.
- Any load-release device, by its nature, may cause damage when operated. Be aware that articles suspended from the YewdaleKestrel® magnetic anti-ligature system will come down when pulled.
- Always follow the instructions supplied with the system

## Loading figures for standard strength brackets

No part of a YewdaleKestrel® installation should be able to withstand a vertically downward force of more than 400 Newtons, which is equivalent to a static load of approximately 40kg. Most readings will be in the region of 15-30kg, depending on configuration and proximity to brackets (20kg per bracket).

To cater for situations where a lighter breakaway point is needed, Yewdale has an additional two lower load capacity options available. The medium load capacity breaks away at approximately 17kg per bracket. The low load capacity option breaks away at approximately 13kg per bracket and the magnets are coloured black for easy distinction.



## The YewdaleKestrel® Anti-Ligature Load Options

There may be some instances where a standard YewdaleKestrel® magnet may not have a breakaway point low enough to ensure the safety of service users with lighter body-weights.

In situations involving children, adolescents and people with illnesses such as eating disorders, their body weight may not be great enough to easily break a ligature point, and so YewdaleKestrel® offers low and medium load capacity brackets that separate at much smaller weights.

All products will automatically be supplied with our standard load brackets, please specify when ordering if you require the medium or low load brackets. All accompanying disks are chamfered to help prevent jams.

Consideration from installers must be applied to the types of anti-ligature product being used and how it will be used on a daily basis as lower load brackets may cause it to separate too easily and make it very difficult to use the product for its primary function.

Therefore, it is recommended that the pre-load weight of the anti-ligature product is understood before the brackets are selected for the environment as some anti-ligature devices could have an even further reduced load capacity. For example, anti-ligature curtain tracks may separate too easily if the curtain weight isn't accounted for.

### Risk Assessments Needed

All environments need to be risk-assessed by the Trust before installation as our listed load capacities are recommendations and guides and should be tested by the appropriate parties prior to installation. The break points listed can vary and the figures are a result of an average break-point weight found through testing.

### Standard load bracket

Our standard strength bracket which features across the board as the default magnet and disk combination. We use our standard strength magnet housed within a bracket and a large chamfered disk (KD4S) on the product. The breakaway load for a standard load bracket is approximately 20kg per bracket/magnet.



Top fix (K558PC) and face fix (K555PC) brackets with chamfered disc (KD4S)

### Medium load bracket

The medium load bracket uses a standard strength magnet with a small chamfered disk (KD5S), the reduced surface area of the disk lessens the maximum weight needed to separate the device. The breaking point for this bracket is approximately 17kg per bracket/magnet.



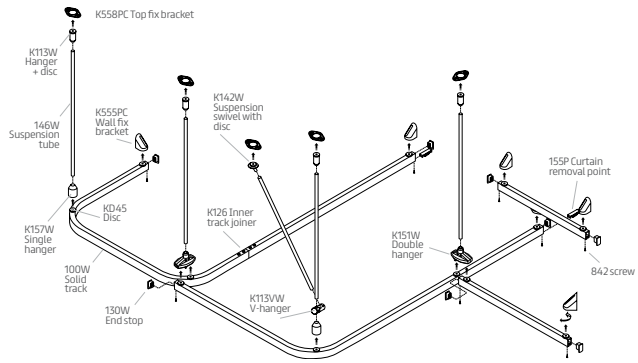
Top fix (K558PC) and face fix (K555PC) brackets with chamfered disc (KD5S)

### Low load bracket

The low load bracket features a magnet with lower magnetism than the above and it is paired with a large chamfered disk (KD4S). This gives the device a breaking point of approximately 13kg per bracket. The lower weight magnets are coloured black for easy recognition.



Top fix (K358PC) and face fix (K355PC) brackets with chamfered disc (KD4S)



## K100 Cubicle curtain tracks

### Features:

The rigid, high-grade aluminium track section and wheeled roller hooks are just an introduction to the many features of the YewdaleKestrel® K100 Cubicle Curtain Tracks, which is in use in many hospitals globally. Designed to give years of trouble-free service and specifically for high-risk mental health areas, this curtain divider track system uses magnetic wall-fix brackets where tracks meet the wall, and magnetic top-fix brackets where suspension hangers meet the ceiling. This ensures that, under excess load, the suspension hanger separates from the ceiling bracket leaving no remaining points of ligature - a highly essential safety feature, as it is surprisingly easy to attach a cord to a fixed vertical rod and use it as a ligature point. Supplied with a curtain removal point as standard.

### Benefits:

Strength and simplicity make the K100 the first choice for a full number of applications. The premium quality track system has a strong and attractive aluminium profile which offers you more for less, in that it is able to span 2.5 metres between hangers, providing long term reliability. In a similar fashion, curtain removal points are provided as standard on every track for added convenience when replacing curtains. The self-lubricating roller runner hooks are quickly loaded into the track through this point of access. Mounted on magnetic brackets for 100% fail-safe\* anti-ligature functionality. Complies fully with the requirements of HBN 00-10 Part E.

### Options:

Silver anodised track; Any RAL colour available to order; Biosafe® antibacterial treatment option available within white powder-coated finish only.

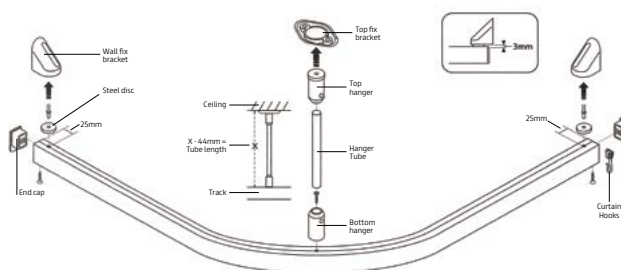
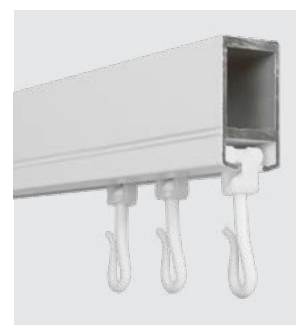
### Specification:

The magnetic anti-ligature YewdaleKestrel® K100 Cubicle Curtain Track system as manufactured by Window Treatments, Ph 0800 36 36 39. Track manufactured from premium quality aluminium with silver anodised / white powder-coated finish, able to span 2.5 metres without support. Double hangers to ensure full functionality of system. Complete with roller runner hooks at 10 per metre, curtain removal points per section and magnetic wall-fix/top-fix brackets, and overlaps as necessary, spaced in accordance with manufacturer's recommendations. Fitting to be carried out by trained and accredited personnel.

**YewdaleMovatrack® is the only approved curtain divider track system to be used with YewdaleKestrel®**



Find this product on NBS Source



## K100 Shower track

### Features:

The rigid, high-grade aluminium track section and wheeled roller hooks are just an introduction to the YewdaleKestrel® K100 shower track system. Designed to give years of trouble-free service and specifically for high-risk mental health areas, this shower track system uses magnetic wall-fix brackets where tracks meet the wall, and magnetic top-fix brackets where suspension hangers meet the ceiling. This ensures that, under excess load, the suspension hanger separates from the ceiling bracket leaving no remaining points of ligature - a highly essential safety feature, as it is surprisingly easy to attach a cord to a fixed vertical rod and use it as a ligature point.

### Benefits:

Strength and simplicity make the K100 the first choice for a full number of applications. The premium quality track system has a strong and attractive aluminium profile which offers you more for less, in that it is able to span 2.5 metres between hangers, providing long term reliability. In a similar fashion, curtain removal points are provided as standard on every track for added convenience when replacing curtains. The self-lubricating roller runner hooks are quickly loaded into the track through this point of access, making the process a pleasurable experience. Mounted on magnetic brackets for 100% fail-safe\* anti-ligature functionality.

### Options:

Silver anodised track; Any RAL colour available to order; Biosafe® antibacterial treatment option available within white powder-coated finish only.

### Specification:

The magnetic anti-ligature YewdaleKestrel® K100 shower track system as manufactured by **Window Treatments Ph 0800 36 36 39**. The track is manufactured from premium quality aluminium with white powder-coated finish. Complete with roller runner hooks at 10 per metre, and magnetic wall-fix/top-fix brackets spaced in accordance with manufacturer's recommendations. Fitting to be carried out by trained and accredited personnel.

**YewdaleMovatrack® is the only approved shower track system to be used with YewdaleKestrel®**

For more information on the YewdaleKestrel® Policy, please turn to pages 8 & 9



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### We've pulled together a top range of curtains!

Find a matching option from the YewdaleHarrier® range. You'll find it easy to choose from, using one of our fabric selectors.



# YewdaleKestrel® Policy

## Method Statement:

This policy aims to fulfil the expectation of clients and installers for quality fitting, commissioning, subsequent in situ service and testing of the Kestrel Anti-Ligature System ("the System").

## Principles & Values:

It is imperative to ensure that the System is only installed by competent persons in line with Yewdale's fitting instructions. Failure to follow the manufacturer's guidance could jeopardise the System's effectiveness and therefore any warranties specified in our terms and conditions.

Please note, the YewdaleKestrel® K100 Cubicle Track must only be installed by approved persons who have completed the YewdaleKestrel® training and understand the risks associated with the products and fitting the System incorrectly. It is a mandatory requirement that only those individuals with a valid numbered YewdaleKestrel® certificate are able to install this fail-safe anti-ligature cubicle track system.

YewdaleKestrel® training is available which provides instructions regarding safe installations, product properties and maintenance requirements. The training is imperative to ensure the standard of installation is in line with both the manufacturer's instruction and compliant with NHS policies such as HBN 00-10 Part E which protect both healthcare providers, patients and Yewdale. Other policies relating to this can be found below:

The **Never Event** List states

**Failure to install functional collapsible shower or curtain rails involves either:**

- Failure of collapsible curtain or shower rails to collapse when an inpatient attempts or completes a suicide.
- Failure to install collapsible rails and an inpatient attempt or completes a suicide using non-collapsible rails.

**Setting:** All settings providing NHS-funded mental health inpatient care.

**The NHS Health Building Note 00-10 Part E Policy states under the heading "Fitting and Maintenance" –**

- 5.2 - All tracking should be tested annually as per manufacturer's instructions to ensure that changes made to the configuration or environmental conditions have not adversely affected performance.

- 5.5 - The manufacturer's recommendations in respect of periodic inspection and maintenance should be followed to ensure that acceptable levels of performance are maintained.
- 6.27 - Curtains should be weight tested on installation and that weight should be recorded. Each reduced ligature system is different in the means of deploying when load is added, therefore it is important that accredited training from the manufacturer is undertaken before testing takes place.

Refer to the O+M Guidance at the end of this policy for more information on fitting and maintenance.

The Estates & Facilities Alert EFA/2019/003 published 11 March 2019 by NHS Estates provides an extensive list of checks to carry out, including (but not limited to):

Carry out a collaborative multi-disciplinary risk assessment in-situ at department level to check all 'anti ligature' type curtain rails are installed and maintained in line with manufacturer's instructions and the actions below.

**The Safety Notice published 11 January 2002 SN(01)01 by NHS Estates states :**

In adult psychiatric setting, any cubicle track, curtain track, shower track and wardrobe rails with load release support systems must be maintained in accordance with manufacturers' instructions and subject to an annual safety load test to ensure that the device functions correctly.

Only personnel approved by Yewdale will be authorised to install the anti-ligature Cubicle Track System but the subsequent annual testing of the System will be carried out by Protects Plus. Approved installers will have a certificate confirming they have undertaken the training provided by Yewdale on an annual basis.

Due to the fact that there are many policies set out to protect the NHS and the healthcare providers, Yewdale as a manufacturer provides full training for installers of the System. The anti-ligature Cubicle Movatrack system can only be installed if installer has undergone the Kestrel training course and passed the examination. Approved installers will have a certificate confirming they have undertaken the training provided by Yewdale and this is updated on an annual basis. The subsequent annual testing of the System will be carried out by Protects Plus.

## Technical & Safety

Research has identified that people are at the greatest risk of death by ligature in areas of mental health hospital environments, in prison and in detention centres. Service users in these areas have a tendency to be overly irrational in their behaviour and hence need an especially high level of care. Ligature points can be formed from a variety of innocuous items commonly found in a room, and so great care needs to be taken when a room is being designed and the anti-ligature items, such as the System, are being specified.

The System is designed to separate from its magnetic brackets when excessive weight is applied. They are easily reattached after such separation in order to keep the System functioning fully.

The System has been in use in mental health environments as a permanent feature for well over 20 years throughout the UK and the global healthcare sector. The System lends itself to bespoke requirements of varied environments. As a result, YewdaleKestrel® products and the System are designed as





standalone products only. Care should be taken when assessing or arranging a room for the installation of the System, to ensure that the System components cannot be misused in conjunction with any other item, furniture or fixings in the room.

It is the ultimate responsibility of the end user or client to ensure the product is suitable for the environment it is being installed in. YewdaleKestrel® products and the System must be fitted by a competent professional following our instructions. Failure to do so could jeopardise the product's effectiveness as an anti-ligature system.

## Using the System safely.

To ensure the safety of the YewdaleKestrel® anti-ligature device, you must follow the points below:

- Always follow the fitting instructions provided for the System.
- The Systems should not be used in conjunction with any other brand of anti-ligature products.
- YewdaleKestrel® systems only maintain their effectiveness in an anti-ligature environment which is geared towards ensuring the safety of the service user.
- Due to the strong magnets used in the Systems, they should not be placed near sensitive electronic equipment. Clearance of at least 150mm from the underside of the brackets is required to avoid damage.
- The minimum width of architrave or surface the magnet plate will be fitted to must be at least 60mm.
- Any load-release device, by its nature, may cause damage when misused. Be aware that articles suspended from the System will come down when pulled.
- Only Protects Plus may undertake the annual maintenance check and load test on the System.
- Only a qualified and trained YewdaleKestrel® installer can install the K100 Cubicle Track System and a failure to do so jeopardises the System's effectiveness.
- All installations require a commission pull test to be carried out prior to the point of installation sign off. These must be recorded and a copy of the results given to the client.

## Loading figures for standard strength brackets

No part of the System should be able to withstand a vertically downward force of more than 400 Newtons, which is equivalent to a static load of approximately 40kg. Most readings will be in the region of 15-30kg, depending on configuration and proximity to brackets (20kg per bracket).

To cater for situations where a lighter breakaway point is needed, Yewdale has an additional two lower load capacity options available. The medium load capacity breaks away at approximately 17kg per bracket.

The low load capacity option breaks away at approximately 13kg per bracket and the magnets are coloured black for easy distinction.

## Operational Maintenance & Guidance:

It is recommended that items suspended on load-release support systems should be maintained and load-tested on an annual basis in accordance with the manufacturer's instructions. It is a requirement to carry out a physical inspection and testing of YewdaleKestrel® fittings to identify any possible damage or evidence of tampering and undertake an annual load test. All installations require a commission pull test to be carried out and recorded and copy given to the client to sign off the installation.

A clear inspection and repair and/or replacement policy should be followed ensuring that components have not become redundant or worn or superseded by safer systems. Tests, including load tests, carried out on components should not affect the integrity and reliability of the components and parts should not need to be replaced each time a test is carried out.

For full compliance and product warranty, annual inspection and load testing of YewdaleKestrel® systems should be carried out by Window Treatments NZ Ltd Ph 0800 36 36 39, or a qualified independent service provider. If testing is carried out by others the liability would remain with them and/or the healthcare provider and any warranty is void.

In accordance with HBN 00-10 Part E guidance on anti-ligature cubicle and curtain tracks:

- Where track is installed in a patient area, specialist components designed for use in mental healthcare environments must be used.
- The mountings or tracking of curtains should not provide a ligature point.
- All tracking should be tested annually as per manufacturer's instructions to ensure that changes made to the configuration or environmental conditions have not adversely affected performance.
- Curtains should be weight tested on installation and that weight should be recorded. Each reduced ligature system is different in the means of collapsing when load is applied, therefore it is important that accredited training from the manufacturer is undertaken before installing and commissioning takes place.
- Record the number of gliders on each curtain and their type to help ensure future replacements are compatible.
- Accredited YewdaleKestrel® training is undertaken before installation or commission testing of K100 Cubicle Track takes place.
- Issues such as curtains losing gliders should be rectified as soon as possible
- Gliders, runners and other relevant components should be capable of withstanding at least 20,000 cycles of curtain movement without appreciable loss of quietness or smoothness in operation, or visible wear.
- Parts of a system should be non-combustible as defined in BS 476-4:1970
- Track parts must be corrosion-resistant materials, not a health hazard or emit toxic products in a fire

## Cleaning

HBN 00-10 Part E states that the design, materials and workmanship of a system should be capable of withstanding the cleaning regimes in use and when installed, will not generate dust or dirt. In accordance with NHS National Standards of Healthcare Cleanliness 2021, "Staff should fully understand the cleaning frequencies their work areas require and follow these closely. When room use or priorities change, the cleaning frequencies for the area should be reviewed." Periodic cleaning should be consistent with IPC standards and requirements.

## Monitoring:

The effectiveness of this policy will be reviewed on an annual basis.

Monitoring and implementation of the above underlying principles is the responsibility of all senior management to ensure that clients and end users are provided with approved installations as well as to ensure adherence to the ongoing maintenance.