



## Record CLEAN

### Hermetically sealing sliding door for hygienic environments

The Record CLEAN series of hermetically sealing sliding doors are custom designed and built entrance systems, in both automatic and manual variants, suitable for meeting a wide range of requirements in clean room environments.

Hermetically sealing doors support the maintenance of a sterile environment and can be used in operating theatres, pharmaceutical production facilities, quarantine zones, clean rooms for the production of food stuffs and many other areas requiring a high level of hygiene. They help to prevent air flow between rooms and as a result the spread of airborne particles of bacteria is significantly limited.

#### Operation

The hermetically tight closing doors roll on an overhead track with the door leaf supported at the floor by three rounded plastic guides, which are rotatable to reduce friction and noise.

Shortly before reaching the closed position the door leaf lowers on the track downwards and towards the wall by a few millimetres to exert pressure on the door seals to press against the adjacent sealing surfaces, producing the hermetic seal.

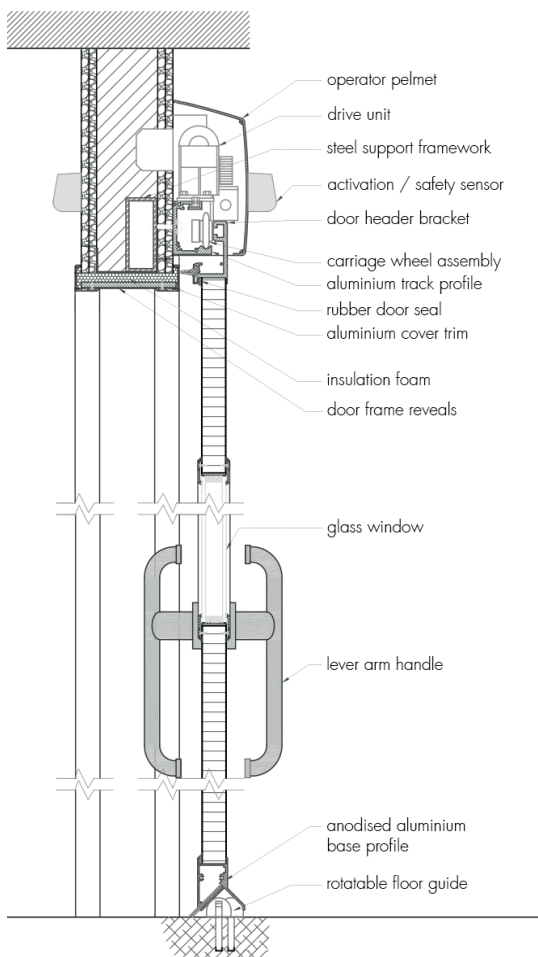
As the lower seal is flexible, it can to some extent compensate if the floor surface is not completely level and flat.

## Design Options

With CLEAN, the sliding door entrance can be tailored to meet both the clients' practical requirements of a clean room entrance, with aesthetic features to ensure style is not sacrificed over substance. Some of these options include:

- » Single or bi-parting sliding doors systems, automatic or manual operation
- » Electrical or mechanical locking
- » Various door framing materials such as aluminium and stainless steel, in a range of coating treatments
- » Various door framing styles and sealing systems
- » Lead inserts to protect against electrons, x-rays and gamma rays
- » Heat absorbing core with modified seals, for smoke control
- » Fire retardant core with additional intumescent seals, for fire control sensors

## Drawing



## Specifications

Opening width	up to 6000mm (wider on request)
Opening height	up to 4500mm (higher on request)
Operating housing dimensions H x D	252 x 120mm (automated version) 120 x 120mm (manual version)
Door leaf weight	1 x 220kg / 2 x 100kg (heavier on request)
Door operating speed	0.03 to 0.5 m/sec (adjustable)
Power consumption	240W max, 25W idle mode
Humidity range	10% to 93% relative, non-wetting
Ambient temperature	0° to + 60°C

## Door Frame Characteristics

Strength	40mm, deviating for special designs
Profile	Anodised aluminium, reinforced optional
Surface material	High pressure laminate (standard) ; Stainless steel, aluminum, galvanised sheet ; Lead inserts in different strengths
Core material	Tubular or solid chipboard, polystyrene foam, glass
Seal	Rubber seals recessed into door leaf and surrounding frame

## About CLEAN

The range of Record CLEAN products are manufactured in Germany by subsidiary company KOS Special Doors Ltd.

They have been providing the market with custom door products developed and produced in-house since 2001 with a focus on tailor making products that meet the unique and important needs of clean room environments.

## Compliance

Record operators meet the Building Code of Australia (BCA) requirements and are tested to stringent European standards DIN EN16005 (durability and safety).

Record complies with the design, safety and functionality guidelines of the non-legislative Australian Standard AS5007-2007.