

EMERGENCY ESCAPE CHUTE

Simple • Swift • Safe
Evacuation System

SAURYA

Value Driven Safety

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With more people working and living in urban high-rises today than ever before, the safety of tall buildings is at a critical high. While most constructions come with their own safety and precautionary measures and fittings, scenarios can often change. Regular escape routes like external staircases and mechanical elevators can prove insufficient when the situation is drastic and the lives of people are at stake.

PRESENTING
ESCAPE CHUTE

a modern and independent escape solution that is designed for swift exit of people in emergencies.



Traversing through Chute

WHAT IS THE ESCAPE CHUTE?

The Escape Chute is an escape solution installed in many buildings worldwide for its efficiency in bringing occupants safely to the ground in emergencies. It is so safe that even pregnant women, infants, toddlers and handicapped people can use it safely, to evacuate from a height of over 100 metres.

Be it a new construction, an existing site or a historical building, the flexible Escape Chute proves to be an ideal for fire and earthquake, even a “secret” alternative for terrorist or any other threats that seek evacuation. In case of such situations, it takes just a minute to operate it and can evacuate over 15 people per minute. Simultaneous use by multiple people is ensured without blockade or collision.

There are two types of Escape Chutes - **External**, which is installed inside a building in front of a window, balcony or terrace, and **Internal**, which is installed within a designated shaft of the building.

BENEFITS OF THE ESCAPE CHUTE

Benefits To Builders

The Escape Chute systems are custom made to suit any site, elevation and occupant population. This makes it ideal for your building or construction, no matter whether it is residential or commercial in nature. What's more, no alteration or construction is required for its installation – so your building design is not impacted.

Benefits to occupants

The Escape Chutes are crafted in such a manner that it is safe for everyone independent of age, size or weight. It is also safe for children, pregnant, handicapped or even unconscious persons. Be it the External or Internal, people with limited physical abilities can also use it for safe evacuation. It offers a guarantee of 15 years with annual maintenance, along with an option to extend the guarantee for life.

Shaft design for quick and easy evacuation through Internal Escape Chute

The chutes are installed in a staggered manner with clearance of the fire door from the chute. Enough space is ensured for the occupant to stand, land and enter the next chute. Though, slabs are not required at floors where there is no entry point of the chute, refugee areas are mandatory for occupants to gather and be evacuated from the chute.

PLACEMENT | QUALITY | USAGE - UNIQUE SOLUTION OF ESCAPE CHUTES

The solution is popular in buildings across the world because it comes with many convenient features - for both builders as well as occupants who may have to use it.

- **Small installation area:** The space required for External Escape Chute is less than 1m². For Internal Escape Chute, the shaft should be 2.5 x 1.5 meters.
- **Permanent and compact:** It permanently remains at its place of installation, packed in a box.
- **Smooth sliding:** Spiral sliding layers for controlled, steady and sliding at a speed of approx. 2 m/s (7km/h).
- **Visual cover:** It prevents occupants from looking down from building and realizing the actual height.
- **Guaranteed to bear high load:** Both inner and outer layers of the Chute are made in Germany and TUV tested and approved to ensure high loadability, stability and durability over a period of time.
- **Secure load distribution:** Five belts offer equilibrium and a minimum load capacity of 14,500 Kgs
- **Strength:** It weighs approx. 1.4Kg/m without a frame.
- **Strong and robust fabric:** The fabrics used are water repellent, UV-resistant, flame retardant and also work as a micro filter against any smoke, protecting the occupants in all conditions.
- **Powerful against wind:** All Escape Chutes over 15 metres are equipped with a ground anchor to resist wind movement.
- **Choice of chutes:** As per the design of the building and other aspects, you may choose to install an Internal or an External Escape Chute.

3 simple steps to a faster evacuation

- 1 **Deploy:** In case of emergency the occupant opens the box and the chute is deployed in seconds
- 2 **Enter:** The occupant enters the chute and descends one by one at a maximum speed of 2 metres/second and reaches the base on the landing cushion placed half a meter above the ground to avoid landing injuries
- 3 **Continue:** The process of descend continues as per above till all the occupants reach the ground level



External Escape Chute Packed in Box



External Escape Chute Deployed on Cantilever Frame



Internal Escape Chute Stainless Steel Hatch Box



Safe Landing in Cushion Capsule



MOBILE ESCAPE CHUTE

The Mobile Escape Chute is a portable unit suitable for evacuation in tall buildings. The unit is adaptable for use with mobile rescue units, such as the turn table ladders, aerial platforms etc.

For TTL and aerial platforms	For manual operation
Operation on varying height with zipper exits	Operation possible with or without aerial vehicle
Mounting to the platform in seconds	Operation in approx. 60 seconds
Accelerates and eases rescue from height, as compared to lowering the TTL/ aerial platform	Suitable for situations with small spaces like narrow streets or overhead electrical lines

Installation at renowned places include:

Corporates Installations



NGO's



Residential Towers



To install Escape Chute at your site, get in touch with us at

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