



Evacuation Slides

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An **evacuation slide** is an **inflatable slide** that allows passengers to **safely exit** the flight during an **emergency**, especially when the **flight door** is high above the ground.

▪ Types of evacuation slides:

- **Inflatable Slide:** It helps **passengers descend from aircraft exit doors** to the ground. It can also be used from aircraft wings in emergencies.
 - **Inflatable Slide/Raft:** It performs the same function as the slide but **can also be used as a life raft if the aircraft lands on water.**
 - **Inflatable Exit Ramp:** Installed to assist passengers moving from certain overwing exits to the wings for better access to the ground.
 - **Inflatable Exit Ramp/Slide:** A combination device used to descend from overwing exits or aircraft wings to the ground.
- Evacuation slides, crafted from **fire-resistant nylon** coated with **urethane** and reinforced with **strong carbon fibres**, prevent tearing during descent.
 - An evacuation slide, meeting regulatory guidelines, must **deploy automatically** when the door is opened, inflate within 6-10 seconds, and **withstand extreme temperatures**, heavy rainfall, and high winds.

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Read more: [India's Aviation Industry](#)

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