

ISO-19281 PART 6.3

ISO 19281 sets out the minimum design and performance criteria and testing methods of passive fire resistant containers. Both container design and material are tested.

782° INSIDE, 34° OUTSIDE

The ISO test standard require main deck containers to contain fire for min 6 hours, with no flame penetration. Full scale tests conducted by a highly accredited European test center, document that the FireShield not only contains the fire but also isolates the heat, and keep the surface temperature as low as 34°C.

10 YEARS OF RESEARCH

The FireShield ULDs are a result of years of dedicated research in cargo fires and fire protection technology. Nordisk's FireShield design concept can be adapted to a multiple of main deck container types.

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Nordisk FireShield™



Cargo fires can have catastrophic consequences, and proper protection of fire hazardous cargo is essential. The FireShield is a certified container, designed to contain fires inside the ULD for a minimum of 6 hours.

While material selection is important to achieve a fire resistant and durable container that can take the wear and tare on the tarmac, the design solution is vital for keeping a cargo fire under control.

The FireShield design has proven through a range of full scale fire tests its ability to control and contain active fires.



Nordisk FireShield is tested according to ISO 19281 requirements and the upcoming SAE AS8992™ standard.

Keeping people and equipment safe from cargo fires

- The FireShield door seal works as a one way valve that allow smoke and dangerous gasses vent out while preventing fresh air flowing into the container
- Shortly after a fire has erupted, smoke will start to leak through the FireShield door, and set off the aircraft's fire detector system.
- The FireShield container is designed to keep a cargo fire under control and prevent it from developing into a violent fire.



The picture show the successful full scale fire test of an AMJ version of the Nordisk FireShield with net and cover door.