



Tactical Safety for Access & Falls

Product datasheet

— A PART OF MT&T GROUP —

ROOFTOP ACCESS

Flowlok Ladder System

The safest roof is one you can reach safely. The TsaF Flowlok ladder system gives industrial and commercial sites a secure, engineered route up to roofs, platforms and plant, designed to work with a vertical lifeline.

Flowlok

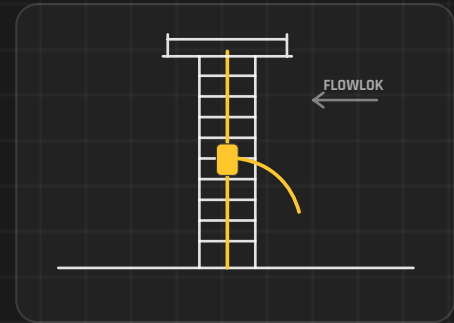
TsaF's own fixed ladder system

Since 2005

Part of the TsaF range

Lifeline-ready

Works with rope- and rail-type vertical lifelines



Overview

Access is where many roof falls begin

Every rooftop task starts with getting up there. Temporary ladders, improvised climbs over parapets and worn fixed ladders are common on industrial sites, and the transitions at the top and bottom of a climb are where workers are most exposed. A permanent, well-designed ladder is the foundation of any roof safety plan, because the lifelines, walkways and barriers on the roof only help if people can reach them safely.

The TsaF Flowlok ladder system

The Flowlok ladder system has been part of the TsaF range since 2005, when TsaF launched its first fall protection systems. It is intended to give safe, secure and reliable fixed access for working at height across industrial and commercial environments. Each Flowlok ladder is designed for its route: the climb height, the structure it fixes to, the landing at the top and the space around it.

Detailed specifications are provided on request for each project, because ladder height, landing arrangements and fixings vary from site to site. Our team will explain the Flowlok features that are relevant to your route during the survey.

Flowlok or cage ladder?

TsaF also manufactures the Aluminium Cage Ladder System, a fixed ladder with a protective cage of hoops and straps around the climber. The right choice depends on the climb, the structure and how the ladder will be used, and TsaF recommends one or the other after assessing the route.

Combine the ladder with fall arrest

For full protection on the climb, TsaF recommends adding a vertical lifeline system in rope or rail type, which keeps the climber attached to a guided fall arrester from bottom to top. At the roof exit, a rooftop barricade or modular safety barrier protects the landing, and an aluminium walkway leads onward to the plant.

Why TsaF

Ladders are engineered after a site survey, manufactured at our Jewar facility and installed by certified technicians, with training for the people who will use them. Fixed ladders take daily wear, so our Annual Maintenance Check inspects the ladder structure, rungs, ladder-to-structure brackets and entry and exit sections, and tightens loose connections. Request a site assessment to plan safe access for your roofs.

System types

Flowlok ladder

TsaF's Flowlok ladder system for fixed vertical access. Specifications are provided on request for each project.

Flowlok ladder with vertical lifeline

A Flowlok ladder combined with a TsaF rope- or rail-type vertical lifeline for continuous fall arrest during the climb.

Flowlok ladder with exit protection

The ladder landing protected with a rooftop barricade or modular safety barrier and linked to an aluminium walkway.

How it works

- 01 Route survey** — TsaF measures the climb, the structure, the landing and the clearances around the ladder.
- 02 Ladder-to-structure brackets** — Brackets are designed for the wall, tank or frame the ladder fixes to.
- 03 Flowlok ladder** — The Flowlok ladder is manufactured for the route and assembled on site by TsaF technicians.
- 04 Entry and exit** — The landing at the top is planned so the climber can step on and off the ladder safely.
- 05 Fall arrest** — A vertical lifeline can be fitted to keep the climber connected for the full height.

Benefits

Permanent safe access

Replaces improvised and temporary ladders with an engineered route.

Lifeline-ready

Designed to work with TsaF rope- and rail-type vertical lifelines.

Engineered per route

Height, brackets and exits are designed for each ladder.

Made in Jewar

Manufactured at TsaF's own facility and installed by certified technicians.

Supported for life

Inspected every year under the TsaF Annual Maintenance Check.

Applications

Roof access on factories and warehouses

Access to mezzanines and plant platforms

Storage tank and silo access

Access to rooftop plant rooms and equipment

Commercial building roof access

Replacement of worn fixed ladders

Standards & specifications. Specifications are indicative and may vary with configuration. Final layouts, loads and applicable standards are confirmed by Tsaf engineering for each project. Subject to technical changes.

Plan your flowlok ladder system with Tsaf

Site assessment · System design · In-house manufacturing
· Installation · Training · Annual Maintenance Check

We don't just install your safety system. We stand on the roof with you.



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