

Use-Condition Input

Industrial access treads and decks for ladders, stairs, walkways, and platforms

Page One purpose: capture site conditions, contamination source, and cleaning method without crowding the buyer worksheet.

APPLICABLE SCOPE

Steel access systems: ladder rungs/steps, stair treads, walkway panels, and platform decks.

UNITS

Dimensions: mm (in).
Confirm project standard and site requirements.

PURPOSE

Shortlist a tread/deck type that better matches wet conditions, contamination source, and cleaning method before quotation and drawing release.

PAGE ONE INPUT

Use-Condition Input (Buyer Fill-In)

Project / Site _____ Date _____

Route location _____

Application type

- Walkway Platform / standing work area Ladder tread / step

Traffic / use

Use frequency

- hourly daily weekly shutdown-only / occasional

Footwear

- safety boots chemical boots other
Other footwear note _____

Loads carried

- none/light tools hoses parts/tools carried often

Slope / wheeled traffic

Surface slope

- Level / near-level Inclined
Angle or rise/run _____

Wheeled traffic

- No Yes (hand truck / pallet jack / cart)

Wet source / contaminants

Wet source

- Wash-down / hose rinse Splash / spray Overflow / leakage
 Condensation Rain / outdoor wetting Ice / freezing risk

Contaminants present

- clean water wastewater oil/grease chemical solution
 dust/powder sludge/solids

Cleaning method

- Dry sweep / vacuum Hose rinse (low pressure) Pressure wash
 Foam + rinse / CIP-style wash Detergent scrub (manual)
 Solvent wipe / degrease

Cleaning frequency

- per shift daily weekly monthly as needed

Local slip expectation

Required standard / test method / spec note _____

Required documentation _____

Reader action: complete this page first, then continue to Page 2 to shortlist a primary option and an alternate option.

Industrial access treads and decks for ladders, stairs, walkways, and platforms

Page Two purpose: shortlist candidate deck types first, then record the primary and alternate option without compressing the worksheet.

CHECK WHAT APPLIES

Slip-Risk Summary

- Frequent wetting or wash-down expected
- Oil/grease or soap film likely
- Standing water must drain through the deck
- Small tools/parts must not fall through
- Debris may clog openings
- Comfort-sensitive repeated walking / standing

SHORTLIST FIRST - THEN CONFIRM ON PAGE 2

Quick Selector

Shortlist first, then confirm cautions and fit on Page 2.

| | Preferred | Review | Avoid | | |
|---|----------------------|--------------|----------------------|---------------|----------------|
| Condition / priority | Serrated bar grating | Open grating | Safety grating plank | Checker plate | Expanded metal |
| Frequent wash-down + drainage needed | Preferred | Review | Preferred | Avoid | Review |
| Wet + oily/greasy contamination likely | Review | Avoid | Preferred | Avoid | Review |
| Small-item retention required (no drop-through) | Avoid | Avoid | Preferred | Preferred | Review |
| Wheeled traffic expected | Review | Avoid | Review | Preferred | Avoid |

Fast rule: if the route is wet, contaminated, or inclined, review traction and drainage before defaulting to any solid plate surface.

PRIMARY + ALTERNATE

Selection Output (Preliminary)

Selection status (choose one)

- Likely suitable
- Review carefully
- Not preferred
- Project-specific review required

Primary selected option _____

Alternate option _____

Key reason (one line) _____

Attach this page plus photos/sketch before final quotation.

Industrial access treads and decks for ladders, stairs, walkways, and platforms

Page Three purpose: validate the shortlist against full comparison notes, cautions, and the minimum submission package for engineering reply.

LEGEND + REMINDER

How to read the table

FULL COMPARISON

Deck / Tread Options Comparison

Buyer-readable comparison table for first-round tread/deck review.

| Factor | Serrated bar grating | Open grating | Checker plate | Safety grating plank | Expanded metal |
|---|--|--|--|--|--|
| Typical slip-resistance tendency | Medium-High in wet boots; depends on bar orientation and wear | Low-Medium; weakest when wet, soapy, or oily | Medium clean/dry; low-medium when wet or contaminated | High; traction + drainage make it a strong wet-route shortlist | Medium-High; traction varies by mesh pattern |
| Drainage behavior | Excellent | Excellent | Low unless slope or drains manage water | Good-Excellent | Good; clogging depends on debris load |
| Cleaning suitability | Good rinse-through; consider what sits below | Good rinse-through; easiest open surface | Excellent top-surface cleaning; manage standing water | Good; traction features may hold sticky residue | Medium; may trap fibers or mud |
| Comfort / walking feel | Medium | Medium | High | Medium-High | Low-Medium |
| Typical application fit | Wet walkways, platforms, and stair treads where drop-through is acceptable | Dry-to-damp walkways needing drainage but not severe slip risk | Wheel-friendly decks and routes needing small-item retention | Wet-process routes, ladder treads, stair treads, and inclined access | Light-to-medium duty steps and walkways with controlled debris |
| Main caution | Drop-through risk; review incline and sole contact | Lower traction when wet | Can be slippery when wet or contaminated unless treated | Verify opening size against clogging and footwear | Wheel-unfriendly; snag and clog risk |
| Not recommended situations | No drop-through allowed, comfort-critical standing, frequent carts | Wet + oily or soapy routes | Frequent wash-down without drainage plan; wet/oily route without treatment | Heavy clogging solids with small openings | Carts, pallet jacks, or heavy clogging debris |

USE INSTEAD GUIDANCE

Not Recommended - Quick Checks

- Frequent wet + incline: prioritize traction-style safety plank and require project-specific review.
- Small-item drop concern: avoid open grating; use checker plate or a smaller-opening safety plank.
- Clogging debris likely: avoid patterns that trap solids; match deck type to the real cleaning method.
- Wheeled traffic expected: avoid open grating; choose a wheel-friendly deck surface.

REVIEW HANDOFF

Buyer Notes, Attachments & Submission

Buyer notes

Attach (recommended minimum)

- Marked-up site photo(s) showing wet source and route path.
- Simple sketch with route width, standing zones, and incline note.
- Cleaning method note: pressure wash, foam, detergent, or solvent.
- Any stated project slip or maintenance requirement.

Submission

Email the completed guide and attachments to zjc@dtladders.com. Suggested subject line: Anti-Slip Tread & Deck Selection - [Project Name] - [Route Type].

Decision boundary

This guide supports preliminary tread/deck selection only. Final deck choice must be confirmed against actual site conditions, cleaning practice, load/use requirements, incline, and the agreed drawing scope.