



Safety Manual

Insulating + Hygienic Telescoping Ladders

CityStar and CountryStar



Skylax Safety Manual can help evaluating the risk of a ladder job. A good risk evaluation requires the following controls:

- 1. Operation Control:** do you need a ladder for the job or can it be done better otherwise?
- 2. Environment control:** try to list up all potential risks coming from the environment. You should measure all electrical currents and charges!
- 3. Operator Control:** assure you got the right person to do the ladder-job!
- 4. Product Control:** check the ladder itself going through the „**Checklist for City Star and Country Star**“ at the end of this page*.
- 5. Accident Reports:** Report ladder accidents and ladder injuries to the "International Ladder Manufacturers Convention". Your report will be supported by a standardised "Questionnaire" without personal identification: <http://www.skylax.com/ilmaceq.htm>

Product Identification:

Non-conductive (1 KV) telescoping ladders
 Trade/Brand name: **City Star, Country Star**
 Utility: portable, clean, insulating, self-supporting telescoping stepladder/lean-to ladder and telescoping lean-to ladder for military, industrial, professional commercial and home appliances up to 6,40 m / 20 ft. Maximum weight: 20 kg
 Maximum load: 150 kg
 Supplier: See Invoice / Way-Bill

Components

- (AL) Coated aluminium profiles (RAL 3020)
- (FE) Galvanized steel
- (PA) Nylon, colour blue (RAL 5010)
- (PA) Nylon, colour red (RAL 3020)
- (PA) Nylon reinforced with glass fibres (RAL 7038)
- (PVC) Polyvinyl chloride, colour blue (RAL 5010)
- (PET) Auto adhesive stickers made of Polyester
- (PC) Polycarbonate

Danger

CAUSES OF LADDER ACCIDENTS:

1. Complacency about danger
2. Dizziness and poor balance
3. Fatigue and weak muscles and bones
4. Poor vision
5. Poor hearing (exposure to noise)
6. Ladder touching live electrical conductors
7. Ladder slipping at top
8. Ladder slipping at base
9. Ladder resting against moveable objects
10. Falling materials

Handling Information

Open the ladder pulling out and turning "left" the handle of the hinge (see instruction written on the handle)
 When you open the ladder the hinge locks automatically. Close the ladder pulling out and turning "right" the handle of the hinge (see red marking). The hinge is self-locking in all positions (A-shape ladder, lean-to ladder, folded and closed ladder)

Protection Information

- Check the ladder (see "Checklist")
- Maximum load / Duty rating: 150 kg
- Since the appliances of insulating ladders in electrical ambient are safety critical, SKYLAX would strongly suggest preoperative tests.

Tests shall be made before starting work each day, each time during the day when a higher voltage is going to be worked, and when changed conditions indicate a need for additional tests. A micro ammeter designed for use with insulating ladders shall be used for testing the dielectric current through the ladder legs with all legs bonded together at the metering point. If the measured dielectric current after 1 minute is less than 0,333 microampere for each kilovolt of nominal phase- to-phase voltage, the insulating ladder may be placed and the work started. A written record of these tests shall be maintained both with the equipment and in the responsible operating office.

Ecological Data

- Life cycle: 10 years
- Packaging in cardboard and shrink PE-foil

Recycling

- All plastic parts of the ladder - except spring loaded side latches/locking pins - can be removed and collected for recycling
- All plastic parts of the ladder hinge can be removed and collected for recycling
- All steel parts - except spring loaded side latches/locking pins - can be removed and collected for recycling
- All remaining coloured aluminium/steel parts can be collected for total recycling

Transport Information

Shoulder the ladder for easy transport

Standards

- In EU-member states companies and professionals are obliged by National and European laws to evaluate the risk of the use of portable ladders. This Safety Manual has been written to support safety managers in doing this job with portable ladders.
- Standards and standard certifications of portable ladders are without any legal obligation (WTO agreements) and do not influence ladder safety.

Built to ;

ASTM D 149; UNI 4291, EN 61478



*CHECKLIST for City Star and Country Star

A: Replace Spare-parts: x

- | | |
|--|--|
| 1. Hinge palm button lock is lost | |
| 2. Operations for easy field replacement: | |
| - remove <i>small cap</i> | |
| - remove: <i>sager + black ring + spring</i> | |
| - remove <i>old Palm Button Lock</i> | |
| - insert <i>new Palm Button Lock</i> | |
| - insert <i>spring + black ring + sager</i> | |
| - fit <i>small cap</i> | |
| 3. Rungs are without polyamide caps | |
| 4. Rung profile deformed but linear | |
| 5. Blue ladder shoe is lost | |
| 6. Spring loaded bolt is deformed | |
| 7. the ladder totters: check 1-6 if persists | |

B: Replace complete ladder or modules:

- | | |
|---|--|
| 8. Dielectric current > 0,333 MAmp/1 KV | |
| 9. Rung profile deformed and not linear | |
| 10. Stile profile deformed and not linear | |
| 11. Hinge body deformed or not linear | |

C: Check an accident with ILMAC-checklist

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|--|--|
| 12. www.skylax.com/ilmace.htm | |
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Quality Inspection Certificate upon request





Users Manual

Insulating + Hygienic Telescoping Ladders

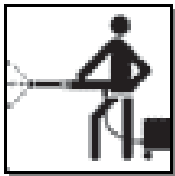
CityStar and **CountryStar**



Life Cycle	10 years
Duty Rate	150 kg / 331 lb
Insulating	<p>Insulating up to 1000 VOLTS AC and 1500 VOLTS DC</p>  <p>A micro ammeter shall be used for testing the dielectric current through the ladder legs with all legs bonded together at the metering point. If the measured dielectric current after 1 minute is less than 0,333 microampere for each kilovolt of nominal phase-to-phase voltage, the ladder may be placed and the work started.</p>
Open Close	<ol style="list-style-type: none"> 1. Open the ladder by pulling out and turning left the handle of the hinge - see instruction written on the handle. 2. Close the ladder by pulling out and turning right the handle of the hinge - see instruction written on the handle. 3. Hinges with palm button Lock for easy field replacement. Hinges are self-locking in 3 positions: 35°, 180°, 0°
Keep Clean	<p>Clean with high pressure cleaners, without detergents Red Surface repels water, petroleum, oil, tar, fat, grease, tar, acids, phenol (results of resistance-test in 180 chemical solutions upon request)</p> 
Maintenance	<p>Replace Ladder Modules CityStar and CountryStar are made of 3/2 modules</p> <ul style="list-style-type: none"> - conical "Base Star" with 3, 4, 5, 6 rungs - hinged ladder / ladder without hinges with 6/3, 8/4, 10/5, 12/6 rungs <p>Hinge Body factory installed without internal parts Palm Button Lock for easy field replacement</p> <ol style="list-style-type: none"> 1. remove small cap 2. remove: sager + black ring + spring 3. remove old palm button lock 4. insert new palm button lock 5. insert: sager + black ring + spring 6. fit small cap <p>Replace all plastic parts All thermoplastic parts can be replaced manually.</p>
Revision	<p>Ask for complete revision, including:</p> <ul style="list-style-type: none"> - Coating control/replacement - Welding control/replacement - Replacement of all rung caps - Hinge control/replacement of palm button lock - Rubber feet control/replacement
Recycling	<p>All plastic-, steel- and red aluminium parts of the ladder can be separated for recycling - except the handles for height control.</p>



Easy to clean without detergents Built for handling in HACCP ambient and in hygienic industry



3-7 Atmosfere



anodized



anodized



anodized



STAR



STAR



STAR

Easy to clean and hygienic components:

- *Tread layers made of sponge with closed cells*
- *Anodized aluminium*
- *Shiny red **STAR**-coating*

Repel:

- *Water*
- *Petroleum, oil, tar*
- *Fat, grease*
- *Acids, phenol a. o.*
- *Request list of resistance in 180 chemical solutions*

Keep clean with high pressure cleaners:

- *Tread layers turn clean*
- *Aluminium profiles turn clean*
- *Aluminium plates turn clean*
- *Colors turn brilliant*

