TYPE-EXAMINATION CERTIFICATE

49 83 01

Mobile access tower Alufase 300 and 400

Holder/Manufacturer/Supplier

Alufase S.A.

Ctra M114 Km1, ES-28864 Ajalviar, Madrid, Spain

Product name

Alufase mobile access tower 300 and 400

Product description

As per pages 2–6 of this type-examination certificate. Technical documentation as provided to RISE, No. P705347 and P104058.

Certificate

RISE certifies that the product specified on this type examination certificate complies with the requirements of the Swedish Work Environment Authority's Statute Book as per the provisions of AFS 2013:4 Scaffolding, Section 10 (RISE certification rules SPCR 064) and SS-EN 1004:2005.

Evaluated system configurations

Load class 3 (2,0 kN/m²), under the conditions contained in the product description.

Marking

All main components must be indelibly marked with "ALUFASE", the year of manufacture (2 digits) and week. The castors shall have the name of the manufacturer, the admissible load and time code. A sign readable from ground level must show the name of the manufacturer/supplier, designation, type examination certificate number, the RISE mark and the text "Instructions for erection and use must be followed carefully".

Period of validity

The type-examination certificate is valid until no later than 2031-02-08.

Miscellaneous

RISE conducts annual inspections of type-examined scaffolding components as per Section 5 of SPCR 064. This type-examination certificate replaces any previously issued certificates with the same number. The type-examination certificate was originally issued on 2009-03-05 by SP Sveriges Tekniska Forskningsinstitut, which in 2017 changed name to RISE Research Institutes of Sweden AB.

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This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.

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TYPKONTROLLERAD
Arbetsmiljöverkets krav AFS 2013:4

Accred. no. 1002
Certification of Products
ISO/IEC 17065

2021-02-05

Product description for Alufase mobile access tower 300 and 400

Design

The mobile access tower consists of ladder frames with the width of 0.68 or 1.29 m (centre-to-centre distance between the standards) alternatively linked by a folding frame on the bottom plan (QUICK BASE), platforms with the length 1.12, 1.91, 2.50 or 3.05 m (centre-to-centre distance between the frames), with or without a trap door, horizontal and diagonal braces, stabilizers, inclined ladder providing an alternative access route, toe-boards and castor wheels.
Each platform level of the tower contains of frames, horizontal and diagonal braces, alternatively platform with guardrail frame and guardrail end frame and guardrails for the top end of the tower platforms.
Stabilizers with telescopic legs or reinforced stabilizers are used in accordance with the conditions shown below.

The Mobile access tower can be assembled in different width, length and height combinations.

Component	Measure (m)	Art. No.
Frame 300		
7 rungs, Width = 0.74 m	2.07	1120
7 rungs, Width = 1.35 m	2.07	1220
4 rungs, Width = 0.74 m	1.1	111
4 rungs, Width = 1,35 m	1.1	121
Frame 400		
5 rungs, Width = 0,74 m	2.07	143
5 rungs, Width = 1,35 m	2.07	153
4 rungs, Width = 0,74 m	1.66	142
4 rungs, Width = 1,35 m	1.66	152
3 rungs, Width = 0,74 m	1.24	141
3 rungs, Width = 1,35 m	1.24	151
Frame 400 with ladder		
5 rungs, Width = 0.74 m	2.07	156
5 rungs, Width = 1.35 m	2.07	154
3 rungs, Width = 0.74 m	1.24	157
3 rungs, Width = 1.35 m	1.24	155
Quick Base 300 (folding frame)		
7 rungs, Width = 0.74 m	1.80×1.91	171 -1713-198
7 rungs, Width = 0.74 m	1.80×2.50	172 -1723
7 rungs, Width = 0.74 m	1.80×3.05	173 -1733
7 rungs, Width = 1.35 m	1.80×1.91	174 -1743
7 rungs, Width = 1.35 m	1.80×2.50	175 -1753
7 rungs, Width = 1.35 m	1.80×3.05	176 -1763
Quick Base 400 (folding frame)		
5 rungs, Width = 0.74 m	1.80×1.91	1711 -1712-197
5 rungs, Width = 0.74 m	1.80×2.50	1721 -1722
5 rungs, Width = 0.74 m	1.80×3.05	1731 -1732
5 rungs, Width = 1.35 m	1.80×1.91	1741 -1742
5 rungs, Width = 1.35 m	1.80×2.50	1751 -1752
5 rungs, Width = 1.35 m	1.80×3.05	1761-1762

Component	Measure (m)	Art. No.
Guardrail end frame 300, Width = 0.74 m	0.83	131
Guardrail end frame 300, Width = 1.35 m	0.83	132
Guardrail end frame 400, Width = 0.74 m	0.70	161
Guardrail end frame 400, Width = 1.35 m	0.70	162
Guardrail end frame 300, Width = 0.74 m w/spigot (for folding Frames)	1.15	136
Guardrail end frame 300, Width = 1.35 m w/spigot (for folding Frames)	1.15	137
Guardrail end frame 400, Width = 0.74 m w/spigot (for folding Frames)	1.15	139
Guardrail end frame 400, Width = 1.35 m w/spigot (for folding Frames)	1.15	140
Guardrail frame 300	1.91 2.50 3.05	133 134 135
Guardrail frame 400	1.91 2.50 3.05	163 164 165
Toeboard	0.7 1.1 1.3 1.7 2.4 3.0	501 506 502 503 504 505
Platform	1.12 1.91 2.50 3.05	310 311 312 313
Platform with trap door	1.12 1.91 2.50 3.05	300 301 302 303
Horizontal brace	1.12 1.91 2.50 3.05	200 201 202 203
Diagonal brace	1.40 2.08 2.63 3.16	210 211 212 213
Stabilisers	Telescopic Reinforced	432 433
Adjustable legs and castors, L = 0.4 m	Ø125 mm Ø150 mm Ø200 mm	404+411 404+412 404+413

Component	Measure (m)	Art. No.
Adjustable legs and castors, L = 0.6 m	Ø125 mm Ø150 mm Ø200 mm	406+411 406+412 406+413
Adjustable legs and castors, L = 0.8 m	Ø125 mm Ø150 mm Ø200 mm	408+411 408+412 408+413
Inclined ladder 300	2.04	801
Inclined ladder 400	2.10	805
Inclined ladder with support 300	1.83	802
Inclined ladder with support 400	1.88	806
Staircase Alustair	2.5	821
Horizontal brace Alustair		834
Inner railing Alustair	1.7	836
Outer railing Alustair	2.5	825
Frame 3 rungs Width = 1.35 m Alustair	1.1	138
Adjustable legs and base plate	0.4 0.6 0.8	404+420 406+420 408+420
Adjustable legs and base plate VA	0.4 0.6 0.8	404+421 406+421 408+421

Dimensions

Component	Dimensions (mm)	Material
Frames, guardrails, horizontal- and diagonal brace	Ø50.6×1.5	Aluminium
Stabilisers telescopic	Ø50.6×1.5 Ø46.8×2.5	Aluminium
Stabilisers reinforced	Ø50.6×2.5	Aluminium
Platform supporting sections	85.4×66 special profile	Extruded aluminium

Conditions during use

1. Maximum indoor and outdoor heights are shown in the following tables. The stabilisers must be positioned at 45° to the prolongation of the gable of the tower.

Scaffold 0.74 m width					
Height to top platform (m)	Stabilizers requirements (T=telescopic; R=reinforced)				
	Scaffold length (m)				
	Indoor	Outdoor			
	All	1.12 m	1.91 m	2.50 m	3.05 m
2.0 m	Stabilizers T	Stabilizers T			
3.9 m					
4.8 m					
5.9 m	Stabilizers R	Stabilizers R			
6.9 m					
7.6 m					
8.1 m					

Scaffold 1.35 m width					
Height to top platform (m)	Stabilizers requirements (T=telescopic; R=reinforced)				
	Scaffold length (m)				
	Indoor	Outdoor			
	All	1.12 m	1.91 m	2.50 m	3.05 m
2.0 m	Stabilizers T	Stabilizers T			
3.9 m					
4.8 m					
5.9 m	Stabilizers R	Stabilizers R			
6.9 m					
7.6 m					
8.1 m					
8.9 m					
9.7 m					
10.6 m					
11.9 m					

2. The working area must always be fitted with a platform, double guardrails comprised of double horizontal stays on long sides and gable rails on short sides, and toe-boards. Double guardrails must also be fitted on all other levels. Guardrails must have a height of at least 1 m (≥950 mm).

3. For a mobile access and work tower with a height < 1.25 m, guardrails may be omitted, and for a scaffold with a height < 2.00 m, toe-boards may be omitted, provided that the horizontal working load that can arise does not exceed 100 N and no wind load exists. In this case, safety as regards to overturning is ≥ 1.20.

4. When using an inclined ladder, the intermediate level must be fully covered with platforms.

5. Only one (1) platform level may be loaded. The maximum distributed load on the scaffold level is 2.0 kN/m² (load class 3).

6. Access to the mobile access and work tower may only be from the inside. Does not apply to heights < 2.0 m and where guardrails are not fitted.

7. The mobile access and work tower may not be used to access other structures.

8. Diagonal and horizontal braces must not be used as ladders.

9. The castor wheels must be locked except when it is being moved.

10. Attaching items to the mobile access and work tower that can catch the wind, such as advertising signs and the like, is prohibited.

11. In conjunction with the type-examination, the assembly instructions; *version 1.1* have been reviewed.

Assembly instructions

The mobile access tower must be accompanied by the assembly instructions when it is handed over to the user.

Use

Regardless of whether the mobile access and working tower is fitted with castors, it is intended only for short-term work.

Application

The type-examination certificate applies to scaffolding produced by the manufacturer specified on the type-examination certificate using materials, dimensions and designs matching those of the type-controlled example.

The mobile access tower may not be assembled using components from other scaffolds unless a specific analysis of the resulting load capacity has been conducted.