AlphiSafe®

SAFETY

SAFETY | SIMPLICITY | ERGONOMICS | INNOVATION

SAFETY DONE SAFELY!

ORIGINE FRANCE® GARANTIE

BV Cert. 6150814

Alphi®
Formwork and solutions


AlphiSafe

Site: New hospital in Libourne
Client: GTM Bâtiment Aquitaine
Location: Libourne

AlphiSafe

AlphiSafe is a collective protection system for formwork and slab edges.

The system's technical innovations allow, in particular, **safe installation** and **automatic locking.**

Robust AlphiSafe is certified by Ginger CEBTP, **as per the EN 13374 standard,** classes A and B for certain elements.

AlphiSafe is distinguished by its **height of 1.30 m,** which is above the minimum height of one metre set by the standard, and protects traditional slab formwork up to 30 cm thick.

AlphiSafe is the first certified system to have a protective mesh of **less than 15 kg,** for a length of 2.50 m.

BV Cert. 6150814

SAFETY

- Safe installation from bottom.
- Height of 1.3 m.
- Compliant with the EN 13374 standard or July which specifies that safety systems must be designed "to avoid accidental removal or displacement of any component in any direction during use".

SIMPLICITY

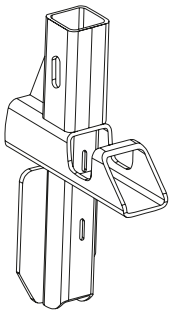
- Anti-dropout.
- Automatic locking of the grid.
- Inseparable components.

ERGONOMICS

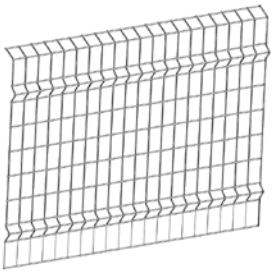
- Weight of components: less than 15 kg for the mesh and less than 7 kg for the other elements.
- Helps to reduce repetitive strain injuries.

COMPLIANT
WITH
EN 13374
STANDARD

3 SIMPLE COMPONENTS

1 Adapters	Primary adapter	Weight (kg)	Description
		1.40	▪ A comprehensive range of adapters which make all assembly configurations possible

2 Post	Galvanized post	Cross-section (cm^2)	Height (m)	Weight (kg)	Description
		3.5 x 3.5	1.34	3.50	▪ The clips are incorporated into the posts which means they cannot be lost.

3 Meshes	Mesh	Dimensions w x h (m)	Weight (kg)	Description
		1.25 x 1.30	7.60	▪ The mesh is available in 3 lengths: 1.25, 2.40 and 2.50 m ▪ Other lengths on request ▪ It is designed with 2 layers that increase its stiffness and 1 low baseboard (solid board) ▪ It is customisable to your choice of colours
		2.40 x 1.30	13.90	
		2.50 x 1.30	14.50	

ALPHISAFE ACCESSORIES

Adapters

Primary adapter	Weight (kg)
	2.30

Prop adapter	Weight (kg)
	2.10

MaxiDalle adapter	Weight (kg)
	3.60

Slab base	Weight (kg)
	1.40

Adapter Ø 25 mm	Weight (kg)
	1.00

Adapter Ø 40 mm	Weight (kg)
	1.30

Adapter for town barrier application	Weight (kg)
	3.60

Slab clamp adapter	Weight (kg)
	6.50

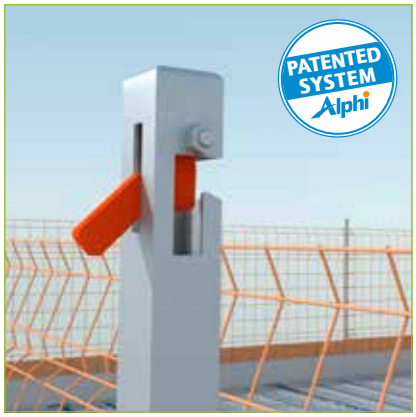
Table die adapter	Weight (kg)
	2.20

Beam adapters		Weight (kg)
Universal	H20	
		7.20 / 3.60

Handling

Rack	External dimensions h x w x d (m)	Empty weight (kg)	Number of meshes carried	Handling	Maximum working load (kg)
	1.65 x 1.58 x 1.03	103.00	20	Welded hoisting rings	500

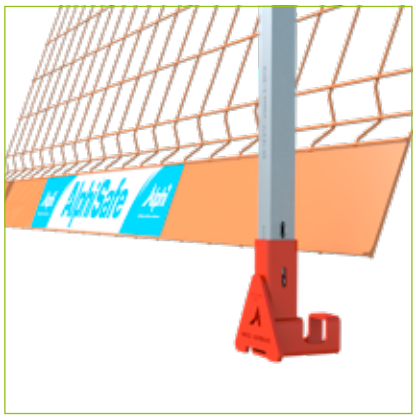
AUTOMATIC LOCKING

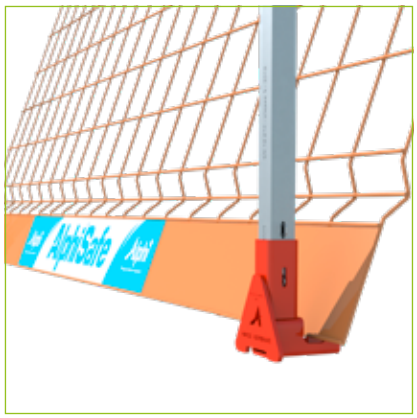


INNOVATIONS

The system's main technical innovations:
- automatic head locking,
- lift protection,
- base locking in rotation.

- The mesh is locked at the top by the anti-lifting pin and is locked at the base.





ADAPTABILITY

The AlphiSafe system can be adapted to TopDalle, TopDalle Éco and Dalphi formwork and to MaxiDalle.

ASSEMBLY ON DALPHI - TOPDALLE - TOPDALLE ÉCO

ASSEMBLY ON MAXIDALLE

USER GUIDE: PROGRESSIVE INSTALLATION

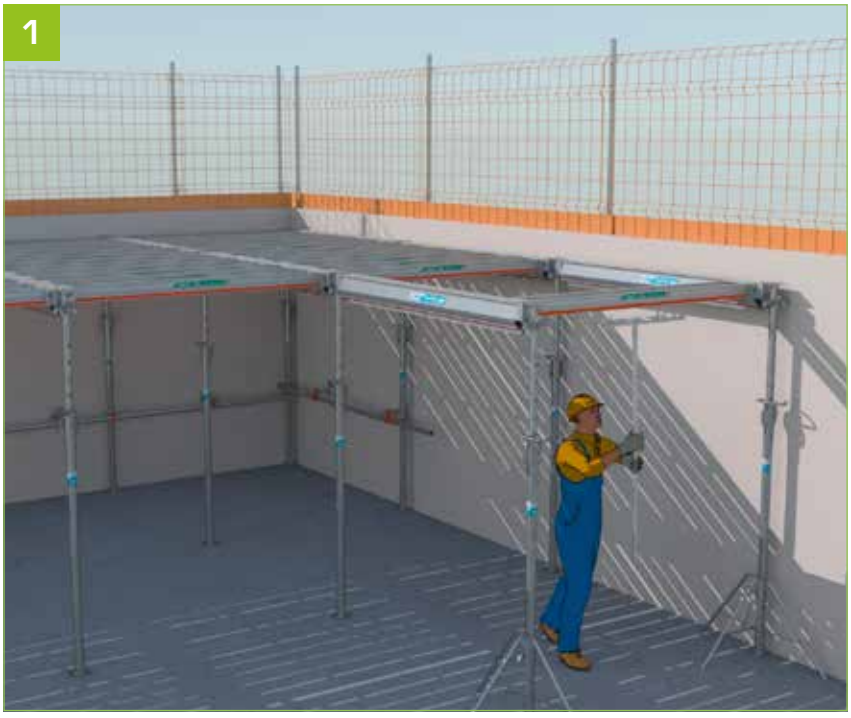
ON FORMWORK:

TopDalle

TopDalle eco

DalpHi

1



- For progressive installation of the AlphiSafe system, create a stable frame with two primary beams and one secondary beam at the end of the primary beams to be secured.

2

- Continue to follow the same installation procedure on the entire frame to be secured.

3

- Using a rolling safety ladder, fit the AlphiSafe prop adapter in the hole in the top plate.

USER GUIDE: PROGRESSIVE INSTALLATION

- The adapter anti-dropout system locks automatically onto the prop.

- Fit the AlphiSafe post in the adapter.

- The post anti-dropout system locks automatically onto the adapter.

- Repeat the operation for the entire frame to be secured.

8

- Install the AlphiSafe mesh of less than 15 kg by sliding it over the formwork, with the baseboard on the post side and the self-adhesive label facing upwards.

9

- This procedure is facilitated by using the AlphiSafe pole.

10

- Move the AlphiSafe mesh so that the baseboard is in contact with the AlphiSafe adapter.

11

- From the work surface, simply lift the AlphiSafe mesh using the AlphiSafe pole.

USER GUIDE: PROGRESSIVE INSTALLATION

12

- Engage the top wire of the AlphiSafe mesh in the notches in the AlphiSafe posts.

13

- The mesh anti-dropout system locks automatically under the effect of gravity. **This does not rule out the need for a visual inspection to ensure that the operation has been conducted correctly.**

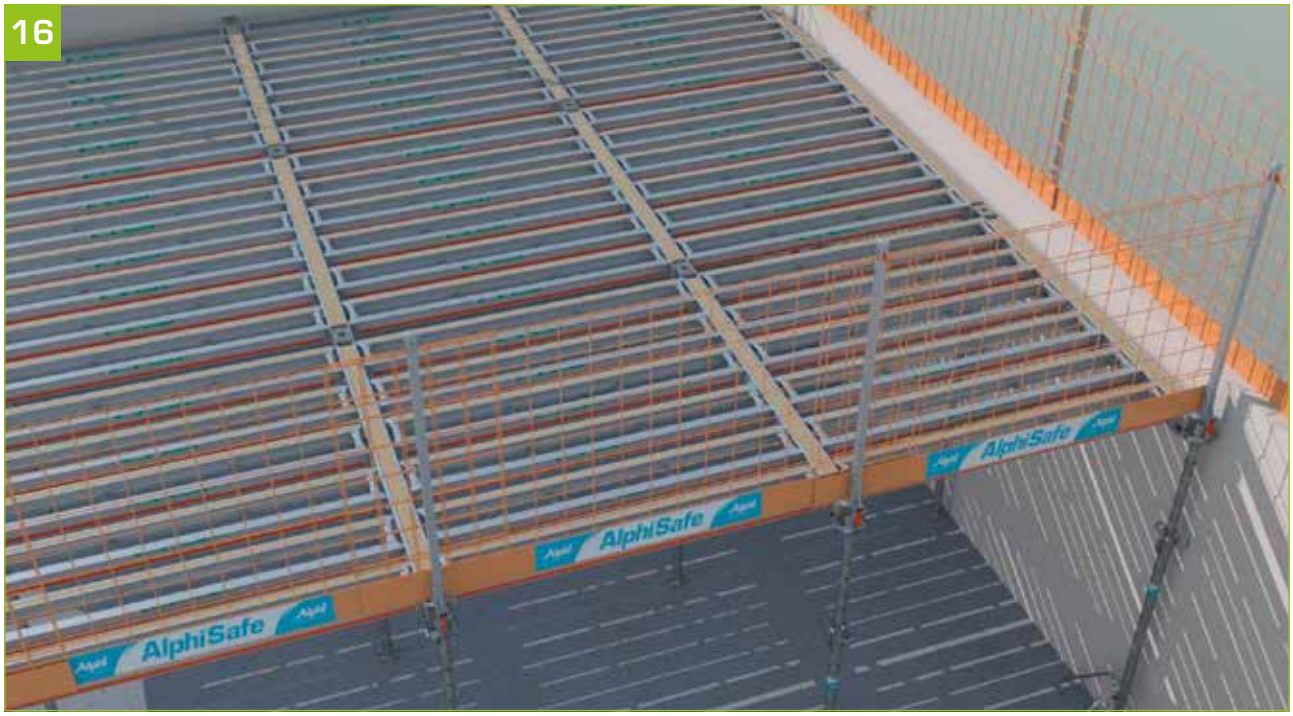
14

- Make sure that the mesh is positioned correctly. Top wire in the notches of the 2 posts, and baseboard in the adapter groove.

15

- Repeat the operation for the other meshes according to the frame to be secured.

16



- Complete the secondary beam frames.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

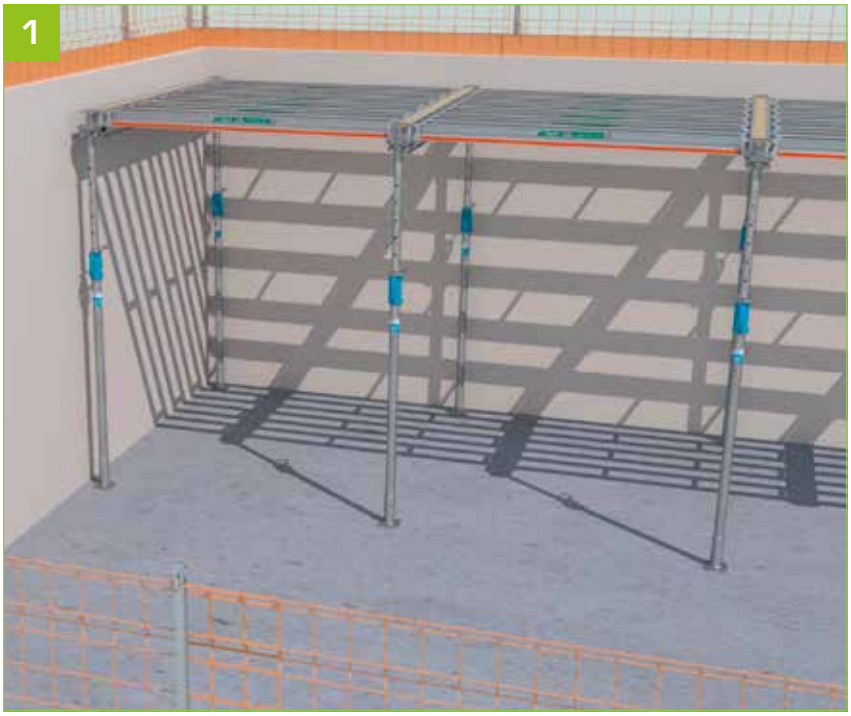
ON FORMWORK:

TopDalle

TopDalle eco

DalpHi

1

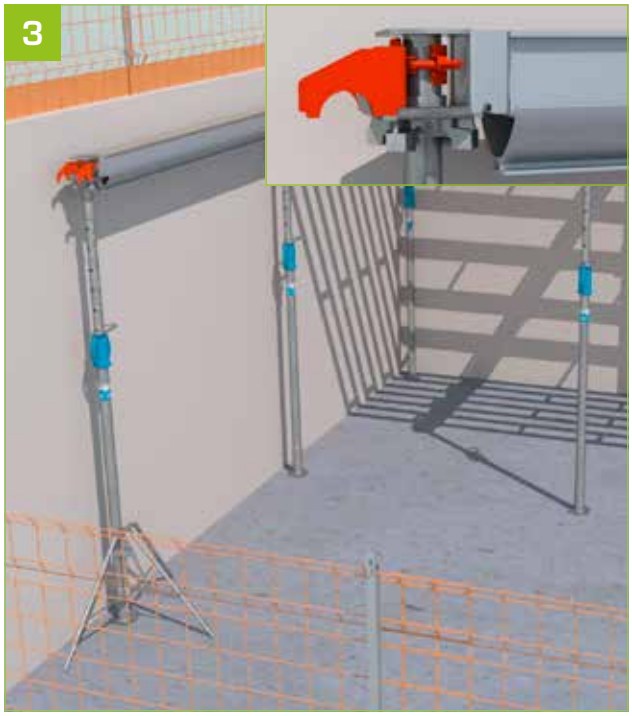


- Install the formwork according to the plans provided.

2

- On the ground, place the new-generation bracket on the technical support (or the insulated head) that is to receive the primary beam in a cantilever configuration.

3



- Caution: the bracket should be installed before installing the technical support.

4

- Continue the installation of the primary beam on the rear prop, position the prop with the bracket at the end of the primary beam.

5

- Complete the secondary beam frames using the TopPerche.

6

- Fit the Non-tilt safety fork (FSAB) on the primary beam in a cantilever configuration not exceeding the rule of ⅓ - ⅔ of the size of the beam.

7

- Install the AlphiSafe primary adapter with its AlphiSafe post. The complete anti-dropout system is activated automatically.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

8

- Suspend the equipped primary beam by inserting it into the new-generation bracket.

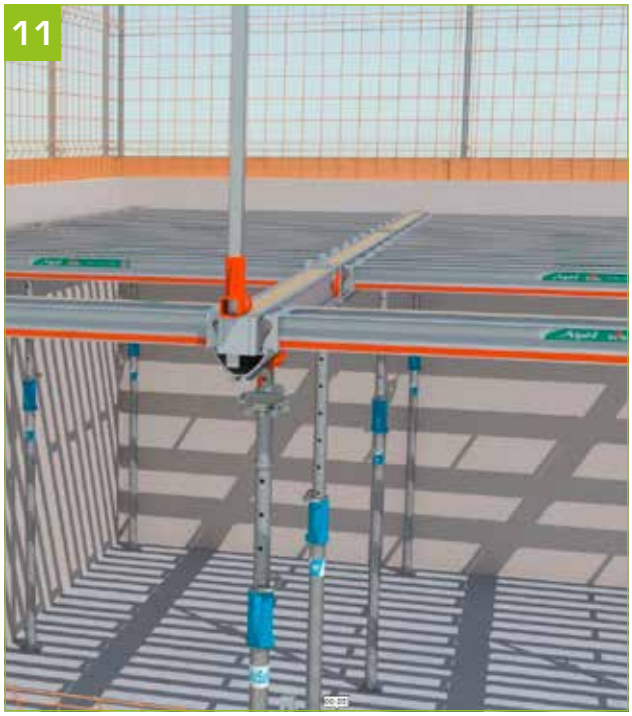
9

- Lift the primary beam using the technical support inserted into the FSAB.

10

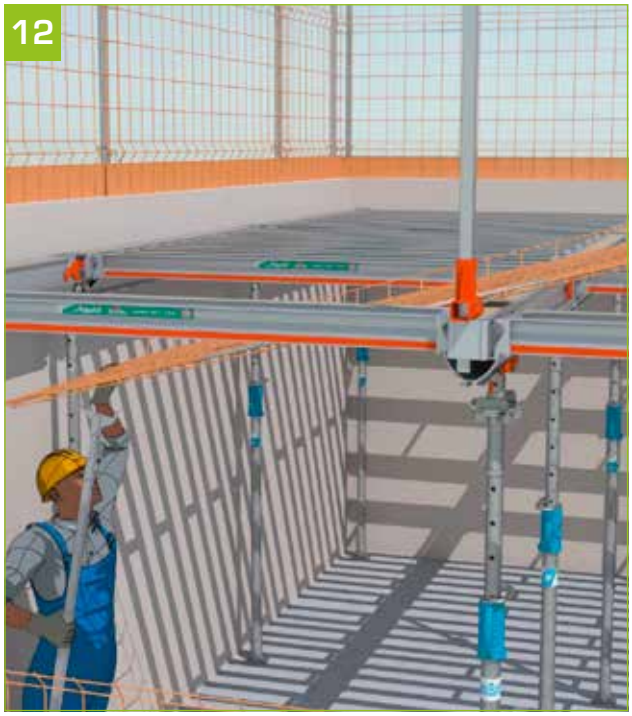
- Follow the same procedure with another primary beam and install a secondary beam at their ends using the TopPerche.

11



- Continue to install the formwork using this method.

12



- Install the AlphiSafe mesh of less than 15 kg by sliding it over the formwork, with the baseboard on the post side and the self-adhesive label facing upwards.

13

- This procedure is facilitated by using the AlphiSafe pole.

14

- Move the AlphiSafe mesh so that the baseboard is in contact with the AlphiSafe adapter.
- From the work surface, simply lift the AlphiSafe mesh using the AlphiSafe pole.

15

- Engage the top wire of the AlphiSafe mesh in the notches in the AlphiSafe posts.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

16

- The mesh anti-dropout system locks automatically under the effect of gravity. **This does not rule out the need for a visual inspection to ensure that the operation has been conducted correctly.**

17

- Make sure that the mesh is positioned correctly. Top wire in the notches of the 2 posts, and baseboard in the adapter groove.

18

- Repeat the operation for the other meshes according to the frame to be secured.

19

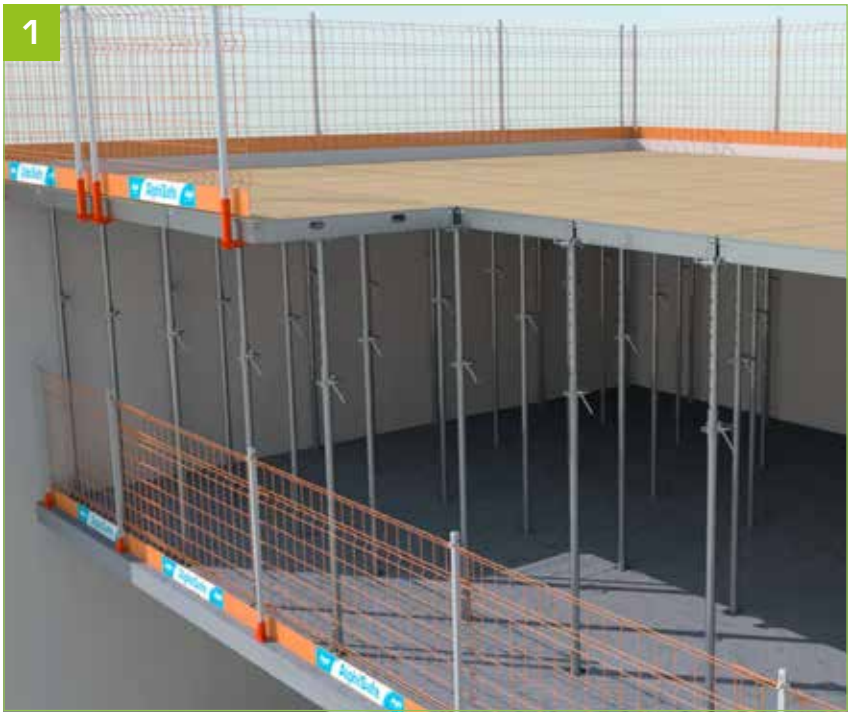
- Complete the secondary beam frames.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

ON FORMWORK:

MaxiDalle

1



- Install the MaxiDalle as per the Alphi user guide and plans.

2

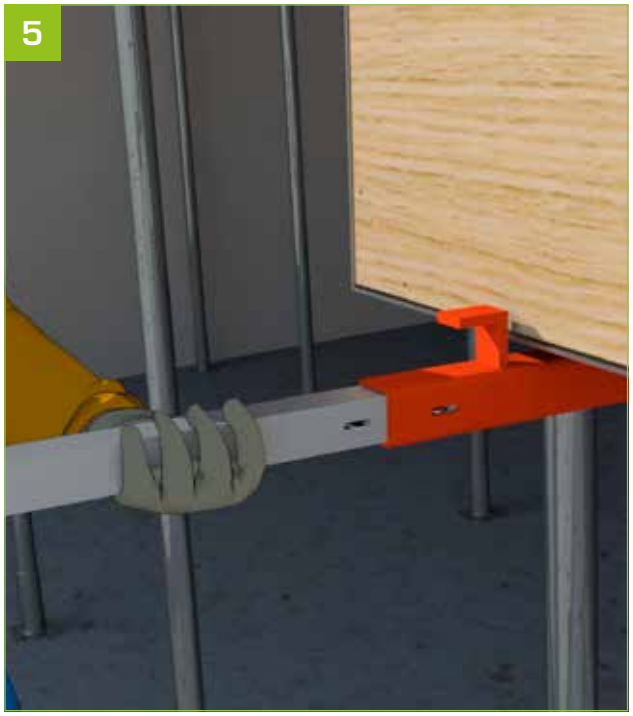
- Attach 2 lift protection clamps on the prop side on the panel to be placed in the cantilever configuration.

3

- Suspend 2 MaxiDalle 120 panels as per the Alphi user guide.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

- To the rear of the panels, at their ends, mount 2 AlphiSafe MaxiDalle adapters.

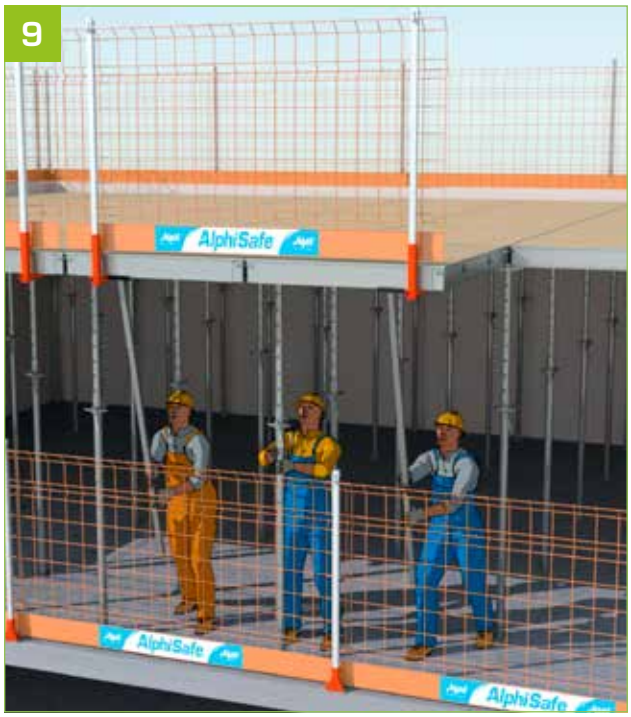


- Engage the posts in the AlphiSafe MaxiDalle adapters.

- Install the AlphiSafe mesh.

- Make sure that the mesh is in position in the slots at the top and base of the posts.

- Lift the panels using the MaxiDalle poles.



- While holding the panels in place, prop up the panels as per the MaxiDalle user guide.

USER GUIDE: CANTILEVER CONFIGURATION INSTALLATION

- Make sure that the MaxiDalle panels are stable by inserting a tube in the side openings of the panels.

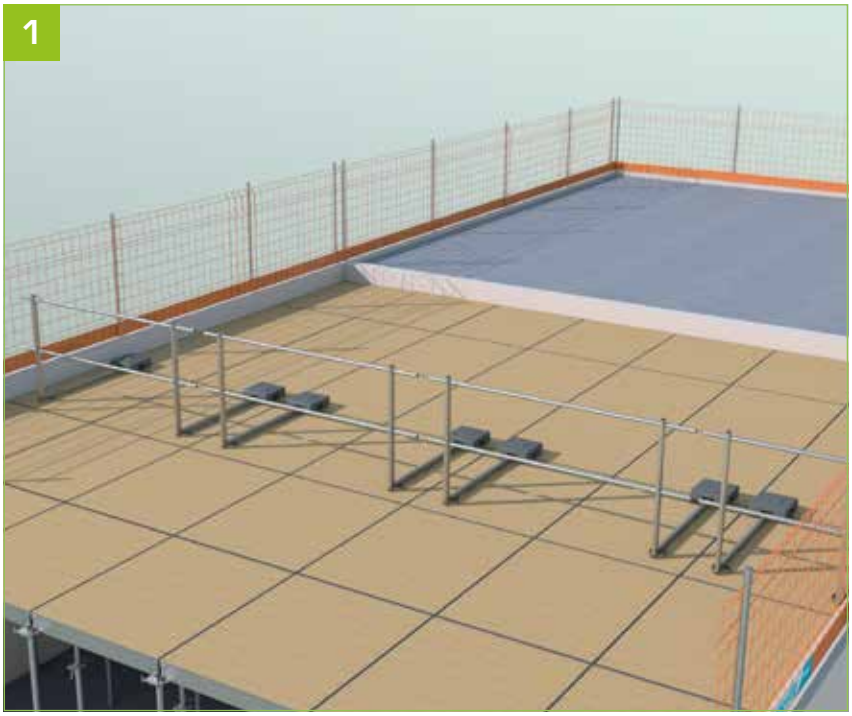
- Secure this tube to the ground using a strap.

- Repeat the previous steps on the entire frame to be protected.

USER GUIDE: INSTALLATION WITH SLAB BASE

ON CONCRETE SLAB

1



- Install the formwork as per the Alphi user guide and plans.

2

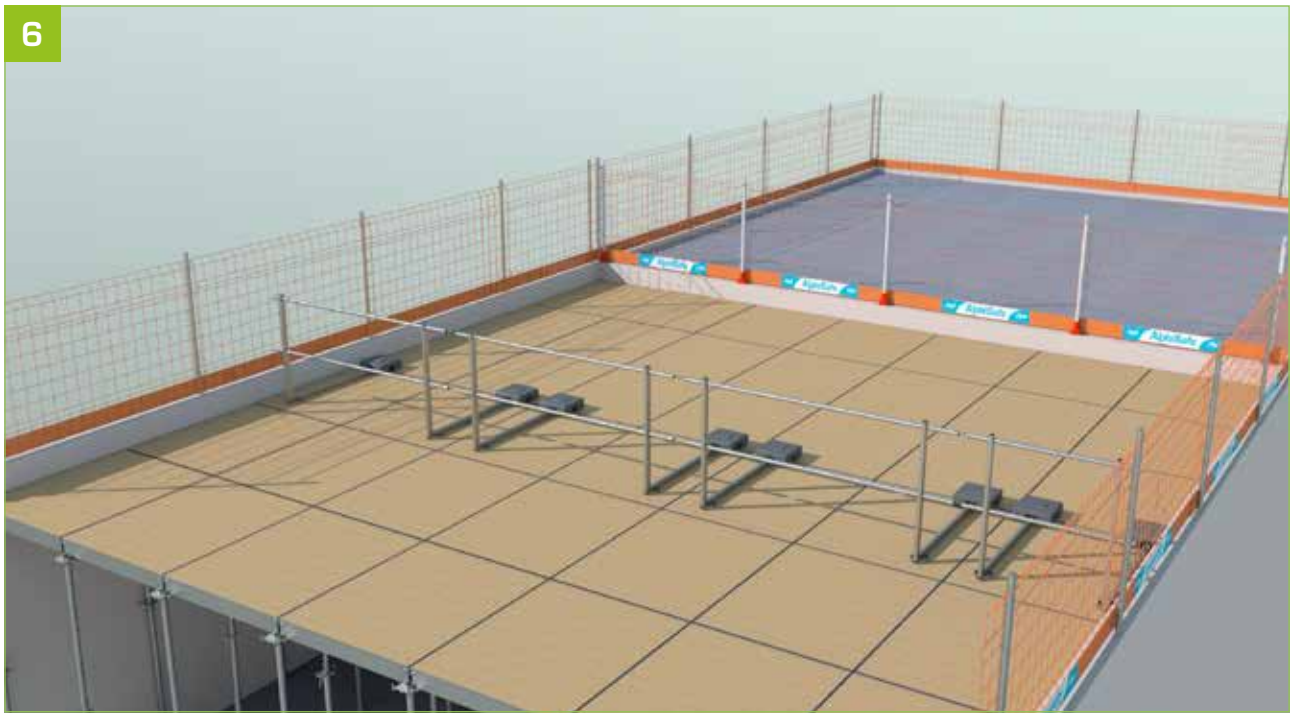
- Drill the concrete slab to the diameter specified by the anchoring device manufacturer and according to the manufacturer's guidelines in respect of the drilling location.

3

- Secure the slab base using a concrete screw or similar anchoring equipment (minimum screw tensile strength of 8.85 kN).

- Install the posts.

- Install the mesh, making sure that the baseboard is engaged in the adapter notch and the top in the opening provided.



ALPHI, THE WORKSITE SAFETY SPECIALIST

The AlphiSafe collective protection system is set up safely from below. The mesh is designed with two layers increasing its stiffness. A comprehensive range of adapters which make all assembly configurations possible.

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Alphi
Formwork and solutions

Designed in France

www.alphilux.lu

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