

Concrete requirements:

Concrete C20/25 according to DIN 1045-2 (or DIN EN 206-1), designation according to old DIN 1045 concrete B25. Consisting of CEM II 32.5 according to EN-197-1, grain size group 0/22, maximum grain size 22 according to DIN EN 12620.

Floor horizontal and flatness less than 5 mm over the entire surface.

New concrete must cure for 28 days.

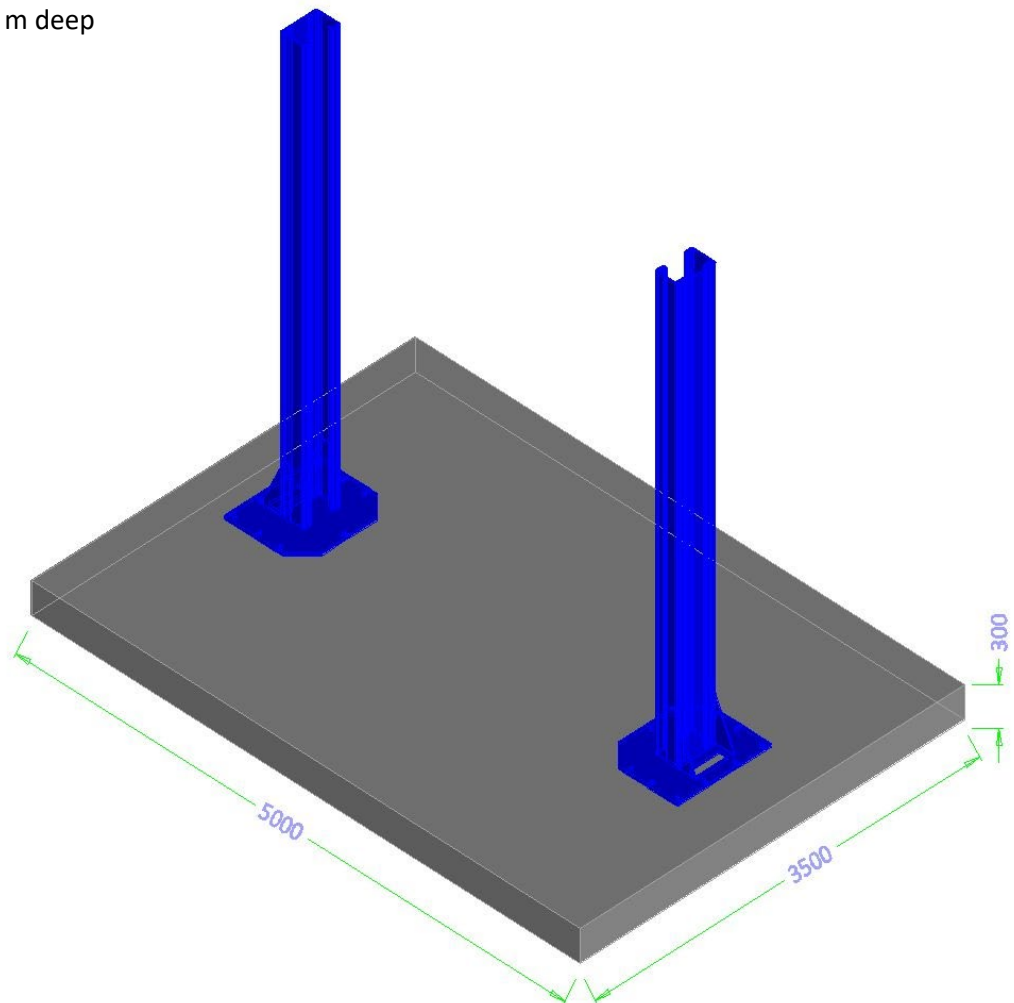
Reinforcement:

Reinforcement on the top and bottom of the foundation e.g. Q335 A structural steel mesh (to DIN 488(-4)) or corresponding structural steel.

Concrete cover for steel insert 2 cm.

Foundation dimensions:

5 m wide, 3.5 m long, 0.3 m deep
or larger





Concrete foundation for TW280

Other requirements:

- The surrounding soil must be suitable for the load, e.g. no sandy soils etc.
- The lifting platform must NOT be set up on floors with a basement underneath them.
- If in doubt, the foundation should always be designed by a structural engineer, and is always mandatory for suspended structures.
- When using tiles, screed, insulation and underfloor heating, please consult our technical department.

The following must be observed for soil exposed to frost:

For frost exposure, the concrete must correspond to exposure class XF4, as dripping de-icing agent cannot be ruled out. This results in the following minimum requirements for concrete exposed to frost:

Exposure class:	XF4
Maximum w/c:	0.45
Minimum compressive strength:	C30/37 (instead of C20/25)
Minimum cement content:	340 kg/m ³
Minimum air void content:	4.0 %

However, it must be noted that the lifts are not designed for outdoor use.

Although the control box complies with IP54, the rest of the electrics, motors and limit switches have a maximum IP44 rating.