



MODULAR BUILDING AND TINY HOUSES

The foundation is ready when your modules arrive.

Screw piles under a ring beam: no digging, no concrete and no weeks of waiting. The module goes straight onto its foundation.

20,000+

screw piles supplied and installed

± 50

piles per day per crew

0 m³

concrete

132 kNm

installation torque

Screw piles or a concrete foundation?

Modules are built in the factory and placed in a single day. The foundation must not cause delay.

	Screw piles + ring beam	Concrete strip footing or slab
Groundworks	Set out and screw in	Excavation, soil removal, formwork
Waiting time	None: ready to load	Weeks of curing
Levels	Adjustable pile heads absorb level differences	Finishing with packers
Under the floor	Ventilated void, dry and accessible	Floor directly on the foundation
Relocating	Unscrew the piles and reuse them	Break out and remove



How we support a modular building

- ✓ Ring beam all round in steel (HEA 160, UPN 200) or glulam
- ✓ An extra line of piles under every module joint
- ✓ Timber frame: intermediate lines under the load-bearing walls
- ✓ All pile heads set in one plane with a laser
- ✓ Capacity measured and recorded for every pile

From plan to placement

01

Plans and weights

You provide the module plan, the weights and the position of the joints.

02

Pile plan

We propose a pile plan based on the soil and the manufacturer's data, for review by your engineer.

03

Installation

Piles installed and aligned, often a few days before the modules arrive.

04

Modules on

The crane sets the modules straight onto the ring beam.

In practice



Screw piles and a modular building, Oostakker



98 screw piles to 8 m, Nieuwenhoven



Timber-frame building on screw piles, Bouillon

98

Visitor centre, Nieuwenhoven Provincial Park

98 screw piles up to 8 metres deep in wet ground beside a pond, vibration-free and with compact machines among the trees.

For manufacturers and contractors

VCA

VCA-certified staff

Embuild

Member of the Belgian
construction federation

Buildwise

Member of the Belgian
construction research centre

Insured

Civil and ten-year liability

132 kNm

Hydraulic drive heads up to 132
kNm

Planning

Installation matched to your
delivery date

What we need for your quote

- ✓ Module plan with dimensions and joints
- ✓ Weight per module (or per support)
- ✓ Position of the load-bearing walls
- ✓ Soil data or the site address
- ✓ Access for tracked rig and crane
- ✓ Delivery date of the modules

Request a pile plan for your modules

Do you work with fixed module sizes? Then we draw up a standard pile plan per module type.

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Pile calculator



Professional project