

BUILDING
COMMON GROUND



Pecafil®

Universal formwork systems



FRANK - a trusted manufacturer

From innovation and development to manufacture, Max Frank's Pecafil formwork system speeds up construction, improves build quality, reduces the need for skilled labour and saves you money.

We are the specialists in concrete durability, formwork, reinforcement, sealing technology and acoustics. We have always been at the forefront of technological development and state-of-the-art manufacture. With more than 150 patents granted worldwide, we are renowned for our industry-leading products, including Pecafil®, Stremaform®, Tubbox®, Insitex® and extruded fibre concrete spacers.

Founded in Germany in 1962, we have been manufacturing our own products for nearly 50 years. That unparalleled experience and our investment in new product development are matched by our understanding of the construction industry. Our range of integrated products and systems often exceed the latest building standards, whilst providing cost-effective, long-lasting solutions.



Pecafil® - tried and tested, with a 20 year track record

From ground beams to separation panels, from box-outs to pile caps and bases, **Pecafil** formwork saves you time and takes the hard work out of construction.

With its 20-year track record, **Pecafil** is the tried and tested solution for today's construction professionals.

The specially manufactured material is constructed from a steel mesh in a wide range of sheet and strip sizes with various wire diameters, shaped to meet your needs. Its distinctive yellow outer layer is heat-shrunk polyethylene, made from non-toxic, naturally occurring hydrocarbons.

Manufactured in FRANK's 50,000m² dedicated factory, **Pecafil** universal

formwork is then cut and bent locally for easy distribution. The formwork is environmentally friendly, has no impact on groundwater and is both recyclable and biodegradable.

The benefits of Pecafil®:

- Site drawings are quickly transformed into factory produced panels
- A wide range of standard and bespoke panels and forms for virtually all applications
- Saves time and costs on blinding, labour and spoil removal
- Curved or complicated foundation forms can easily be produced on-site
- No stripping, cleaning or return of the formwork
- Light enough for just one person to handle – no need for hoists, ready for rapid assembly
- Fast and easy to install – can be cut with basic tools
- Re-use your Pecafil forms, depending on the specific site conditions and construction method – no waste
- Reduced working space requirement
- Experienced technical support
- Fully detailed schedule of units provided with delivery

Manufactured for your application

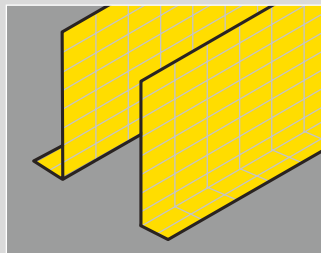
Pecafil replaces conventional timber or steel shuttering for the in-ground construction of pile caps and ground beams, to provide fast and accurate formwork installation. Pecafil is suitable for a range of applications, using standard or custom-manufactured elements.



L-shaped and side-strip formwork

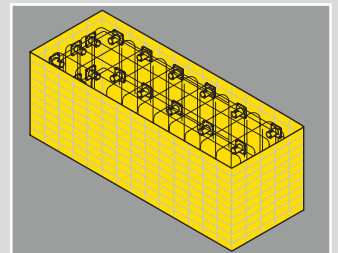
L-shaped units are ideal for wide, shallow beams or rectangular bases. Side strip units can also be used to form deeper beams, pile caps or bases by simple hand folding of units on-site.

Pecafil can be removed and used up to four times.



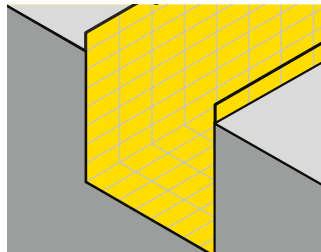
Pile caps and r.c. bases

Factory formed cut and bent units, to the exact concrete outline, are supplied to enable the rapid installation of **Pecafil** units against the pile cap or base reinforcement cage, fixed to line and level in the excavation.



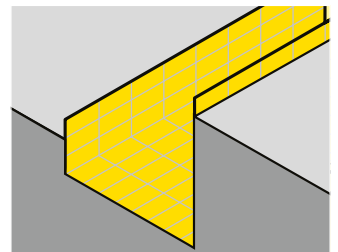
U-section ground beams

A fast and efficient way to produce a clean lined excavation, ready to accept the pre-fabricated reinforcement cage. Minimum working space requirement reduces spoil off site and allows excavated material, where acceptable, to be used as backfill. U-section beam units can be used, in conjunction with system accessories, to construct beams on ground.



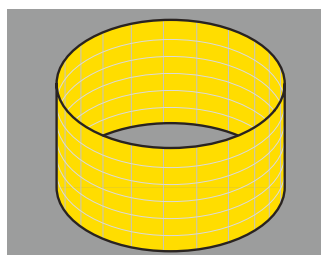
Semi-raft foundations

U-section beam units can be used to form the perimeter of semi-raft foundations. The **Pecafil** units can be produced with even or uneven sides.



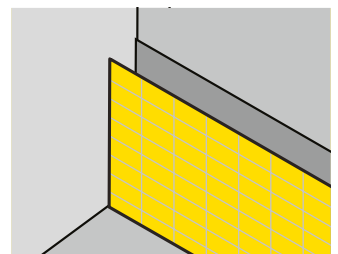
Circular formwork

Radius elements can be produced using either standard strips or cut-to-size units. Virtually any radius can be supplied. Manhole casing formers can be produced using composite units to suit varying diameters and depths.



Partitioning

Partition units can be used as a durable separation material between the concrete face and steel sheet piles or contiguous concrete piles. **Pecafil** sheets can be tack welded to the steel sheet piles, at recommended spacing, to allow the steel piles to be withdrawn following completion of the concrete structure. Permanent fixings will be used for contiguous piles. **Pecafil** partition units will save time and concrete, allowing easier recovery of the steel sheet piles.



Delivered direct to your site, ready for easy installation

Beams

For fast production of suspended or ground-bearing beams in either normal or contaminated land. There is no need for extra equipment, **Pecafil** arrives on site, ready for installation.

Using U-section **Pecafil** beam units with an additional depth construction tolerance reduces overdig. Bedding the units on a sand blinding eliminates a concrete blinding operation where ground conditions permit, backfilled with excavated material if suitable. This makes **Pecafil** the fastest, most cost-effective, in-ground construction formwork solution for piled foundations.

Pecafil®

- Units can be bent to form any ground beam profile
- Allows complex formwork foundation shapes to be easily formed on site
- Units can be assembled and installed by unskilled labour
- Gives a clean, spoil-free section for pouring the concrete
- Smooth surface finish allows side strips or outward facing L-section units to be reused up to four times
- No release agents or any other preparation work required



Pile caps and r.c. bases

Custom-made to fit virtually any shape or size, **Pecafil** material is ideal for the exterior formwork of pile caps and bases. We deliver the Pecafil units direct to site, bent to shape and at the right height for your specifications – ideal for rapid installation.

Pecafil's adaptability and ease of handling without lifting equipment makes it very easy to transport and install. The formwork is so light it can easily be moved into position by hand.

Pecafil can be easily assembled, using the overlap to adjust the length. Our girders and spacers even allow you to concrete before backfilling.

Semi-raft foundations: the Pecafil® solution for unstable ground

Pecafil is the concrete-saving solution for semi-raft foundations on less stable ground in mining areas, where peat or alluvial clay are present, on flood plains and on landfill sites where gas needs to be vented.

In some soils, drilled piles need formwork – and **Pecafil** is ideal. It can be attached to the reinforcement cage for lowering into the hole, and is flexible enough to press against the surrounding soil when the pile is concreted.

Circular/radius formwork

Pecafil radius units can be used to surround large diameter bored pile cages in poor ground conditions. Units are supplied pre-formed to fit the pile cage and fixed ready for insertion.

Units for manhole casing formwork or circular bases can be provided for rapid site assembly against the reinforcement cage. If required, lattice girder spacers can be provided for manhole casing formers.

Pecafil radius units can also be used for 'on ground' construction of large diameter r.c. bases using tensioned straps for support during the concrete pour. This enables the units to be struck and re-used for other bases.

Making your work on site faster, easier and more efficient

All pile cap units are cut and bent in our factory ready to place into position around the reinforcement in your excavation. U-section beam units are simply placed in the dig ready to accept pre-fabricated beam cages.

And to make your job even easier, all units are individually marked for rapid selection and fixing in conjunction with the fully detailed **Pecafil** schedule we provide with every load.

Quick and efficient order processing

- Call us to talk through your **Pecafil** requirements, and for advice on the best solution for your site.
- Arrange a site visit by our experienced **Pecafil** technician, located in your area to ensure the most cost-effective solution for your site.

- We provide a fixed quotation based on your site plans, taking any special requests into account.
- Production drawings are completed by our technical design team, within hours of quotation approval.
- Our experienced production staff manufacture your formwork in our dedicated **Pecafil** factory. **Pecafil** units are then processed in our local facilities and individually marked for fast installation.
- Pecafil delivery is arranged direct to site, along with a fully detailed schedule of units, and a **Pecafil** assembly guide for easy installation.



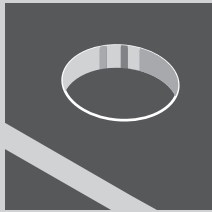
Pecafil® installation guide

Pecafil is simple to install and comes with all units clearly marked. It is a fast, cost-effective and convenient formwork material that you can rely upon. To download further information on **Pecafil**, or to download a copy of the **Pecafil** Installation Guide, please visit www.maxfrank.com.

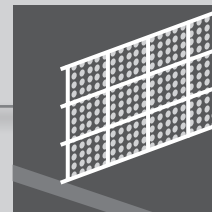
Alternatively contact us via info@maxfrank.com or phone to request a CD version or hard copies of our literature.



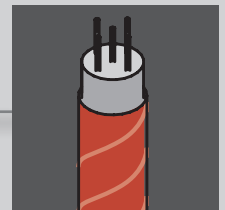
N.B. We recommend the use of **Pecafil** spacers, fibre concrete bar or rail type bar with **Pecafil** formwork. It is advisable to use protection caps where reinforcement projects from piles.



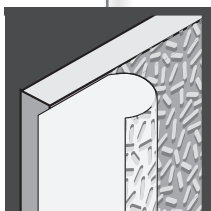
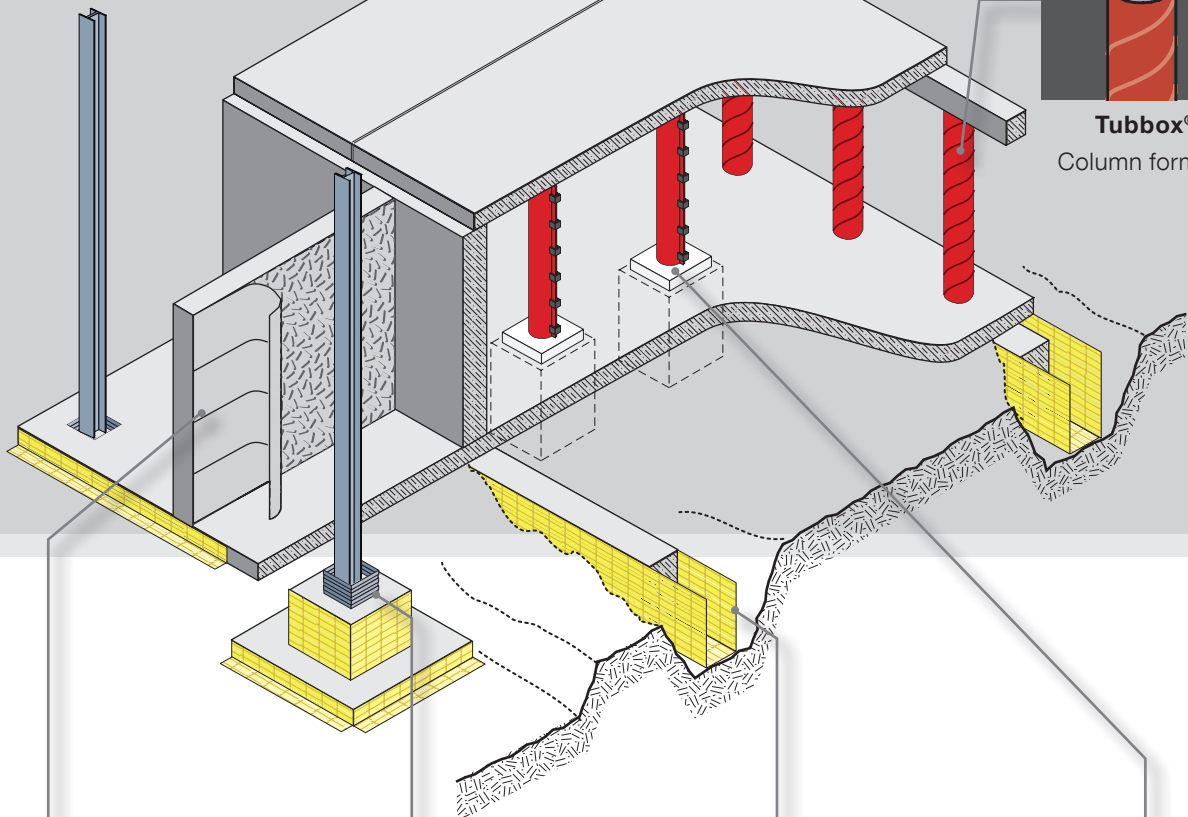
Fratec
Special form
for recesses



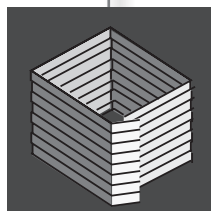
Stremaform®
Construction joint
stop ends



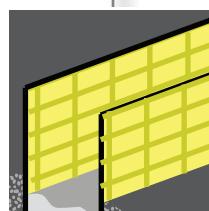
Tubbox®
Column formers



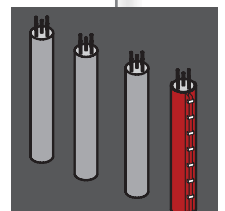
Insitex®
Profiled formliners



FRANK Formwork accessories
Box out shutters



Pecafil®
Universal formwork
system



Tubbox Multi®
Reusable column
formers



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