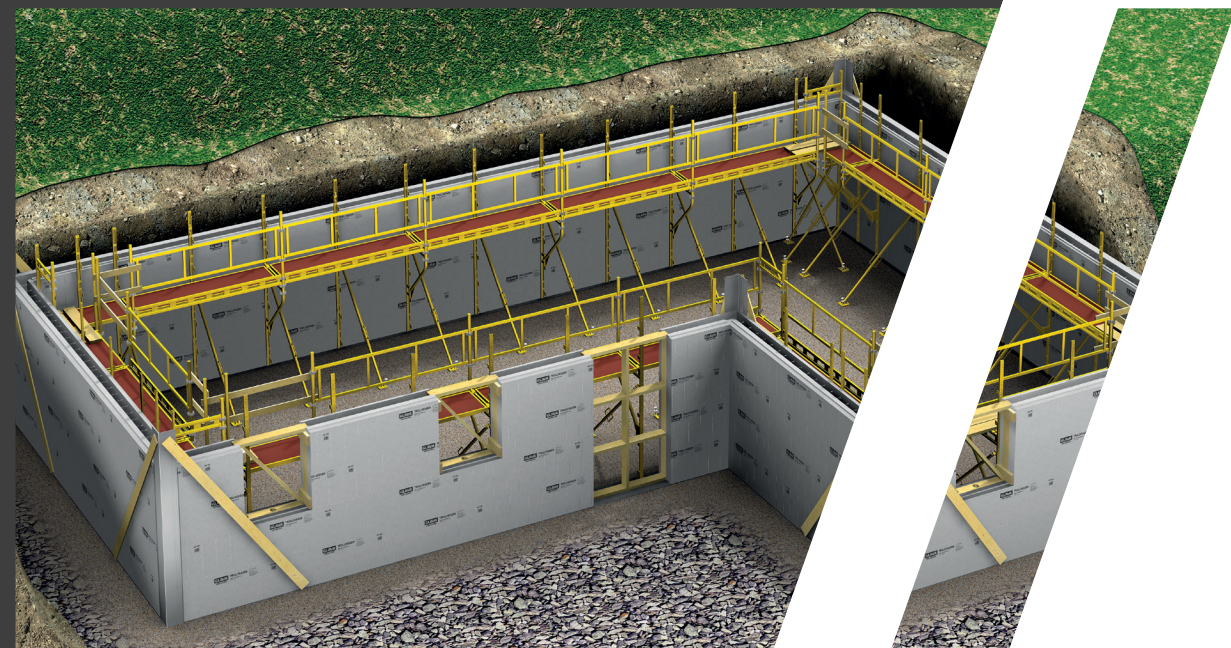


Fast Facts:

- Typical ground floor constructed in 3-4 days
- Thermal performance values down to 0.16 w/m²k
- Air tightness values to 0.7 ac/h (n50)
- Fully integrated with the CAVALOK cavity closure system



premier | Approved
guarantee



THERMOform.

0344 417 0324
gb-enquiries@cemex.com

CEMEX UK
CEMEX House
Evreux Way
Rugby
CV21 2DT

 **UNIBLOCK™**

0333 355 6879
sales@uniblock.co.uk





THERMOform®
THERMALLY INSULATED MODULAR SYSTEM

RAPID BUILDING SOLUTION FOR HOUSING DEVELOPERS



Thermoform vs Traditional ICF

The UNiBLOCK system has taken traditional ICF type construction techniques and added speed and scalability to deliver real benefits to the contractor. Add to this the superior thermal performance and air-tightness and then it is easy to see why building with TMS is a step forward.

The system takes weeks off any build program, as the walls are all designed and pre-fabricated offsite and sent ready to be assembled with an easy to follow plan, giving you the speed of offsite construction with the flexibility of more traditional systems. Walls can be assembled on site to suit the program and there is no expensive machinery or special skilled trades required for construction.

Moving Offsite

The system can be adapted to any existing house or building design or incorporated into new types as required. Plans are estimated and designed by our team, and each house type and individual wall is modelled and planned for the most efficient use of materials using our bespoke design software system. The software generates drawings for each wall, which once signed off by the contractor can be put straight into production for pre-fabrication at the UNiBLOCK offsite facility. Each wall is fabricated to suit, labelled and delivered to site along with installation drawings for the site teams. Once on site, the system can be built and concreted at the rate of around 8m²/per operative/per hour.

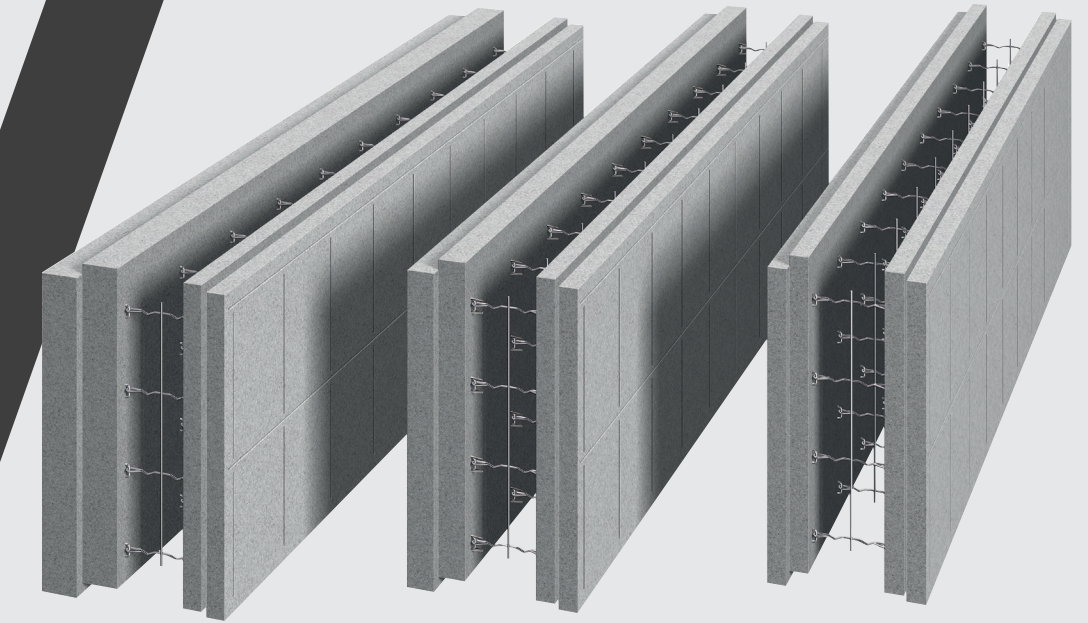
Another key component of the Thermoform system is the integration of the CAVALOK cavity closer system for doors and windows. Designed and fabricated by our partners at Subframes UK, the CAVALOK system works perfectly as a standard detail for thermally broken subframes within the walls, and is a familiar practice to most traditional builders. Again, for ease of use on site, each opening comes to site labelled and ready for direct insertion into the wall.



What is TMS?

TIMS (Thermally Insulated Modular System) is a next-generation version of building with Insulated Concrete Forms. With the growing need for more houses in the UK it is important that developers, clients & contractors are able to rely on a building method which allows them to gain scale and improve the overall quality of their built stock, without being exposed to the pressures of the ongoing supply chain and labour shortfalls.

CEMEX in collaboration with UNiBLOCK offer Thermoform, a sustainable construction solution which is designed to be installed faster than traditional building routes and at a significantly lower labour cost. This all-in-one construction system combines the excellent insulation capacity of Neopor® polystyrene supplied by UNiBLOCK and the structural resistance of CEMEX concrete based solutions.



UNiBLOCK recently supplied the system to a prominent builder in the North West of England who were undertaking a large detached property for a private client.

With both winter weather and key project milestones approaching the contractor was looking for a robust building system which could deliver the speed required without compromising the client's desire for a warm and energy efficient home. Using the UNiBLOCK system allowed the contractor to build and concrete the large ground level of the house within a week, with the added benefit that other trades could then access the ground floor ahead of schedule to complete critical works and allow the second floor to follow on soon after.

Throughout the project the contractor was supported by the UNiBLOCK technical team both on and offsite, guiding them through the build process. Such was the success of the project, the contractor is now planning to use UNiBLOCK on a subsequent multi-plot development as well as a range of other future schemes.

CASE STUDY