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an **Etex** GROUP company

THERMALITE



Faster Foundations with Tongue and Groove



Improve your productivity

1

- Independent tests by Chartered Surveyors prove that you can build foundations at least twice as fast using Trenchblock compared to aggregate blocks or more than four times quicker than with brick commons.
- Completing the groundwork quicker is particularly beneficial during bad weather.

What is Trenchblock Tongue & Groove?

- Unique building block for constructing solid foundation walls.
- Tongue & Groove joints enable the blocks to slot easily together in one simple process.
- The perp-ends do not need to be mortared, providing a much quicker method of construction.
- Hand holds are built into the blocks for easy lifting.
- Available in strengths of 4.0N/mm² and 7.0N/mm².
- Suitable for soils up to and including class 4 sulfate levels and ideal for Brownfield sites

What are the benefits to the builder?

- 1. Speed
- 2. Lightweight & Safe
- 3. Less Waste
- 4. Save Money

- Tongue & Groove joints and the fast application of mortar onto the bed joint all contribute towards an extremely quick method of building foundations.
- One Trenchblock is equivalent in size to two aggregate blocks, or 12 bricks, plus wall ties and in-fill.

TECHNICAL DATA

| | | | | | | | | |
|-------------------------------------|-------------|------|------|------|-------------------------|------|------|------|
| Product | Trenchblock | | | | Hi Strength Trenchblock | | | |
| Strength | 4.0 N/mm² | | | | 7.0 N/mm² | | | |
| Dry Density | 600 kg/m³ | | | | 730 kg/m³ | | | |
| Thermal Conductivity (above ground) | 0.15 W/mK | | | | 0.19 W/mK | | | |
| Thermal Conductivity (below ground) | 0.23 W/mK | | | | 0.31 W/mK | | | |
| Face Dimensions (mm) | 440 × 215 | | | | 440 × 215 | | | |
| Block Thickness (mm) | 255 | 275 | 300 | 355# | 255 | 275 | 300 | 355# |
| Block Weight* (kg) | 14.9 | 16.1 | 17.5 | 20.8 | 18.1 | 19.6 | 21.7 | 25.3 |
| Wall Weight (kg/m²) | 177 | 191 | 209 | 247 | 209 | 226 | 250 | 291 |

* Block weights are calculated using specified dry density, with a moisture content of 3% by weight added to provide the equilibrium value.

Manufactured to special order only.



2

Our blocks are lighter and safer

- Trenchblock is available in a weight less than 20kg.
- Builders can comply with CDM Regulations, which cover health and safety issues on site when repetitively handling blocks.
- Thermalite is the first block manufacturer in the UK to offer hand holds.
- The Health & Safety Executive recommends that blocks with hand holds should be selected wherever possible.



3

Less waste, more haste!

- Don't throw away so much block waste - Trenchblock can be easily and accurately cut.
- Services can be quickly and easily installed through the foundation wall with the minimum of effort, resulting in less wastage.



4

Save money!

- **Build quicker**
- **Less blocks in the foudation**
- **Less mortar in the joints**
- **And no wall ties**
- **Lower costs and more profit**