

NAYLOR
CONCRETE

Made in the UK
Excellent Construction Products

Class

A1

Fire
Resistant

**EasiWall
System**



**Product
Brochure**

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FM40598

n55Plus

Introduction

Naylor is a well-established name in concrete product manufacture, having been founded some 40 years ago. The origins of the business lie in prestressed concrete lintels. As well as an excellent range of standard lintels, beams and panels, the Company has considerable manufacturing flexibility: this is supported by a full

technical and design capability, and results in an unrivalled bespoke service, allowing the speedy production of non standard items including special finishes, profiles and widths.



In addition to structural building components, Naylor offer cost-effective retaining wall products, which are used in a wide range of landscaping and storage applications:

- Push walls
- Grain storage
- Retaining and garden walls
- Material compounds and recycling bays
- Traffic screening and vehicle protection
- Intruder prevention and property security
- Flood and landslide prevention
- Bay walls

Naylor's retaining wall solutions are manufactured off-site in a factory environment and shipped directly to site: site time is minimised and the installer avoids the potential weather disruption of retaining wall options which require on-site concrete pouring.



EasiWall

EasiWall is a flexible and cost effective interlocking modular block retaining wall system which can be built up to achieve high retaining wall structures.

The system is ideal for both temporary and permanent applications.



NEW Naylor EasiWall Coping Block

1500mm long x 600mm maximum height



Easy to use

Up to 10 times faster to install than other retaining wall systems

Quick installation in any weather

Minimum labour requirement

Standard site equipment (forklifts / telehandlers / small cranes) generally adequate

Minimum site preparation, excavation and foundation requirements

Product interlocks - no mortar required for all but tallest structures

Cost Effective

Affordable, inexpensive to install and maintenance free

Versatile

Hugely versatile - the product can accommodate a wide range of applications

Structural and non-structural

Use on land or in water

Minimal Space Required

Can be installed in limited working space

Requires less space behind the wall than other systems

Reusable and Relocatable

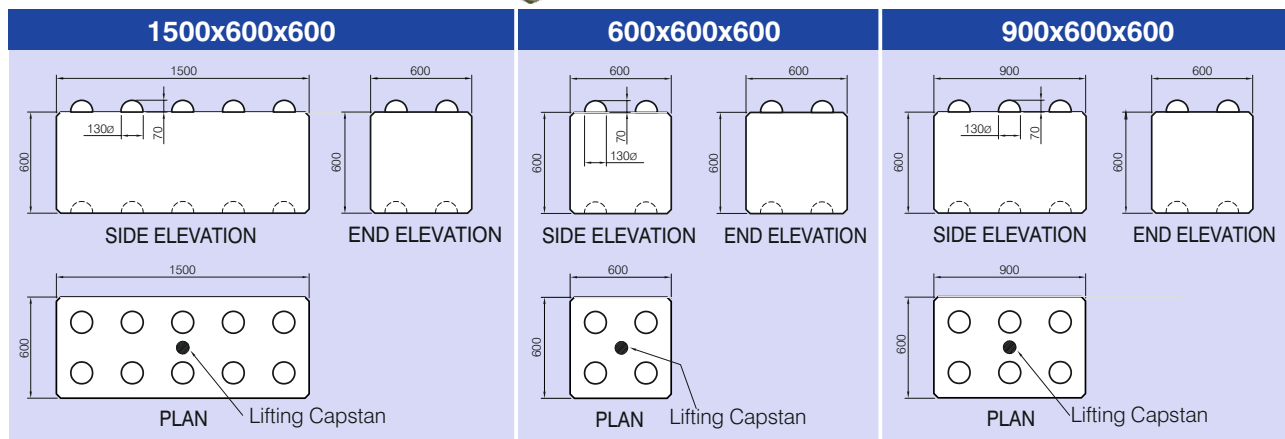
Where dry-laid, EasiWall can be easily demounted and reused

Can be moved from location to location and application to application

Sustainable

Sustainable recycled material content

Near infinite life where appropriately handled



Site Information

The Modules

Three different sized blocks are offered to allow coursing, optimise the structural strength of the retaining wall.

Handling

Easiwall units incorporate a lifting anchor pin and can be lifted by standard site equipment such as forklifts, telehandlers and small cranes with adequate lifting capacity, negating the need for specialised lifting equipment or grabs.

Installation

The product can be laid directly on flattened earth provided that the ground is firm and not subject to waterlogging or subsidence.

Where the structure is intended to be 4 courses high or more, it is recommended that the product is laid on a concrete base otherwise mortar is generally not required unless ground movement or side impact is anticipated.

Technical

The product is manufactured to:

- An engineered strength - EC7 standard
- Quality assurance to BS EN 9001

Fire Resistance

- Class A1 Fire Resistant in accordance with clause 4.3.4.4. of EN13369
- For extra protection a Fire Sealant can be supplied to seal the bed joints



	A (width)	B (depth)	C (height)	Weight
Full block	1500mm	600mm	600mm	1200 kg
Mid sized	900mm	600mm	600mm	778 kg
Small	600mm	600mm	600mm	520 kg

A smooth (ex steel mould) finish is available as standard; if you require FairFaced or other special finishes or colours please contact our sales office.

Case study:

Customer requirement for 2 storage bays side by side: 6m long x 3m wide x 1.8m high

Required:

Bottom layer: 16 x 1500 long, 3 x 600 long
Middle layer: 16 x 1500 long, 2 x 900 long
Top layer: 16 x 1500 long, 3 x 600 long

Please note that our technical team provides a full design and take off service and can advise on the optimal configuration to meet your scheme or application's needs.



EasiWall Technical Data



Material storage data for walls:



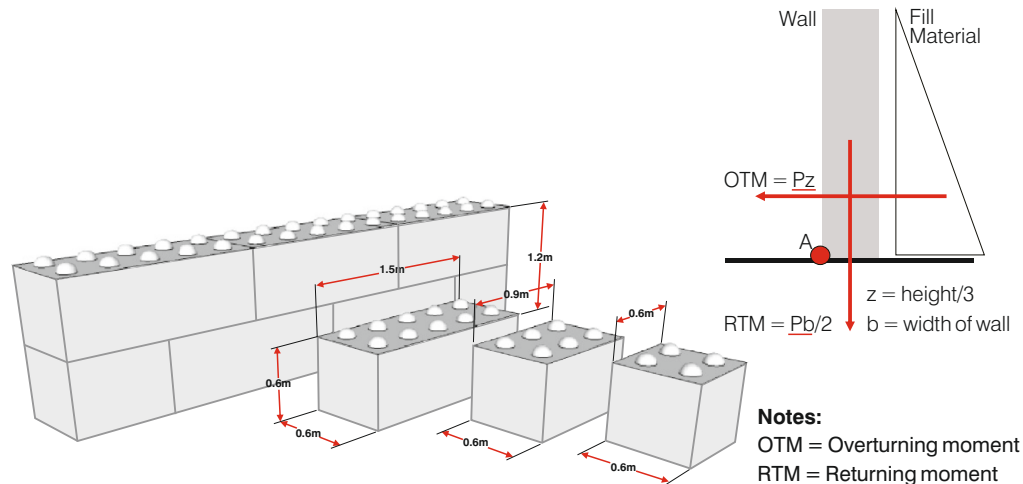
1.2m High

1.8m High

2.4m High

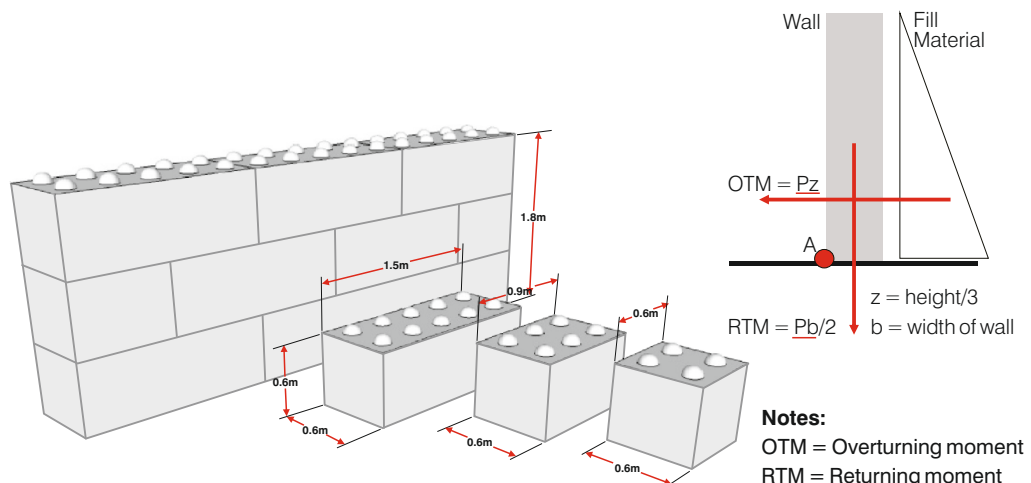
1.2m HIGH	Material to be stored									
	Earth	Sand	Rocksalt	Grain (Wheat)	Grain (Oats)	Wood Chips	Gen Waste	Paper Waste	Green Waste	PFA
Bulk Density (kg/m ³)	1800	1300	800	800	800	800	600	600	500	1000
Angle of Friction	30	30	30	25	35	30	30	30	30	30
Level Fill OTM (kNm)	1.7	1.2	0.8	0.9	0.6	0.8	0.6	0.6	0.5	1.0
Inclined Fill OTM (kNm)	3.9	2.8	1.7	1.9	1.5	1.7	1.3	1.3	1.1	2.2

WALL DETAILS	
EasiWall Blocks	2
Height (m)	1.2
Volume	0.72
Weight/GBP	17.3
RTM	5.2
Frictional resistance	6.3
$\phi_{\text{base}} = 20$	



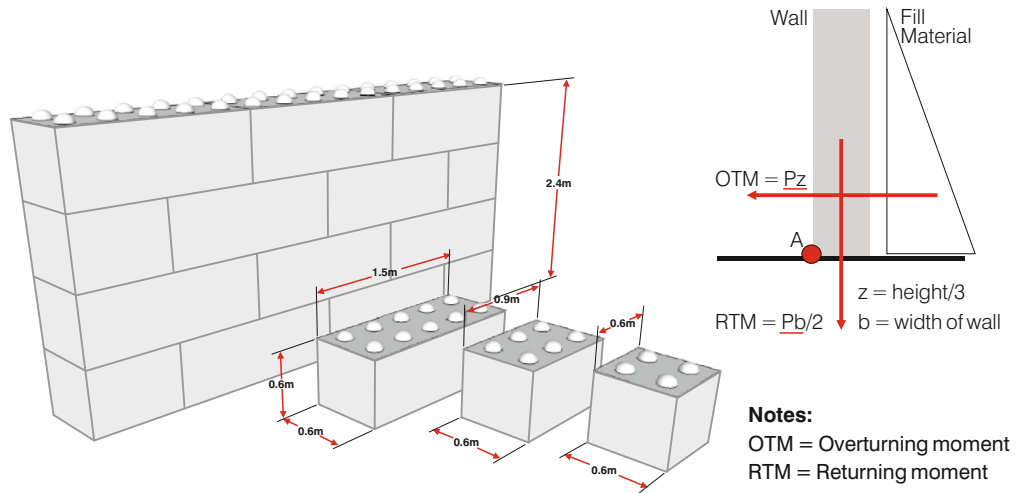
1.8m HIGH	Material to be stored									
	Earth	Sand	Rocksalt	Grain (Wheat)	Grain (Oats)	Wood Chips	Gen Waste	Paper Waste	Green Waste	PFA
Bulk Density (kg/m ³)	1800	1300	800	800	800	800	600	600	500	1000
Angle of Friction	30	30	30	25	35	30	30	30	30	30
Level Fill OTM (kNm)	5.8	4.2	2.6	3.2	2.1	2.6	1.9	1.9	1.6	3.2
Inclined Fill OTM (kNm)	13.1	9.5	5.8	6.4	5.2	5.8	4.4	4.4	3.6	7.3

WALL DETAILS	
EasiWall Blocks	3
Height (m)	1.8
Volume	1.08
Weight/GBP	25.9
RTM	7.8
Frictional resistance	9.4
$\phi_{\text{base}} = 20$	



2.4m HIGH	Material to be stored									
	Earth	Sand	Rocksalt	Grain (Wheat)	Grain (Oats)	Wood Chips	Gen Waste	Paper Waste	Green Waste	PFA
Bulk Density (kg/m ³)	1800	1300	800	800	800	800	600	600	500	1000
Angle of Friction	30	30	30	25	35	30	30	30	30	30
Level Fill OTM (kNm)	13.8	10.0	6.1	7.5	5.0	6.1	4.6	4.6	3.8	7.7
Inclined Fill OTM (kNm)	31.1	22.5	13.8	15.1	12.4	13.8	10.4	10.4	8.6	17.3

WALL DETAILS	
EasiWall Blocks	4
Height (m)	2.4
Volume	1.44
Weight/GBP	34.6
RTM	10.4
Frictional resistance	12.6
$\phi_{base} = 20$	



**Naylor Industries plc - more
than 100 years of production
and supply to the
Construction Industry**

- Vitrified clay pipe systems for trench and trenchless installation
- Hathernware - Chemical Drainage and Industrial Ceramics
- Band-Seal couplings for the repair of and connections into existing pipelines
- Plastic Land Drainage, Twinwall Ducting Systems and Access Boxes
- Yorkshire Flowerpots, a range of frostproof plant pots



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