



BEWI

Building Systems

Product Catalogue **09/2024**

We have led development for over 60 years...

BEWI is a company with traditions. We develop lightweight solutions for a better climate, and are proud to be the Nordic region's leading manufacturer of insulation and packaging in expanded and extruded polystyrene for the construction industry.

The **BEWI** Group is a wholly owned Norwegian industrial group. Headquarters in Fredrikstad, the company was established over 60 years ago. Our history is characterised by innovation and development, adapting to ever changing market conditions and requirements. With energy saving and environmental considerations as our guide, we have developed a number of production methods and insulation systems.

Since Jacob Solgaard and Konrad Akselsen founded the company in 1956, the company has developed into a large group. Today, we have significant exports to many countries in Europe and beyond. **BEWI** has subsidiaries and production units in Norway, Sweden, Denmark, Finland, Germany and Belgium, with a total of 21 factories in 6 European countries.

We are proud to be able to document our quality and environment credentials through ISO 9001 and ISO 14001 certification. This applies to all production facilities in all our factories. This gives you as the customer the assurance that we will deliver the right product at the right time and to the right quality.

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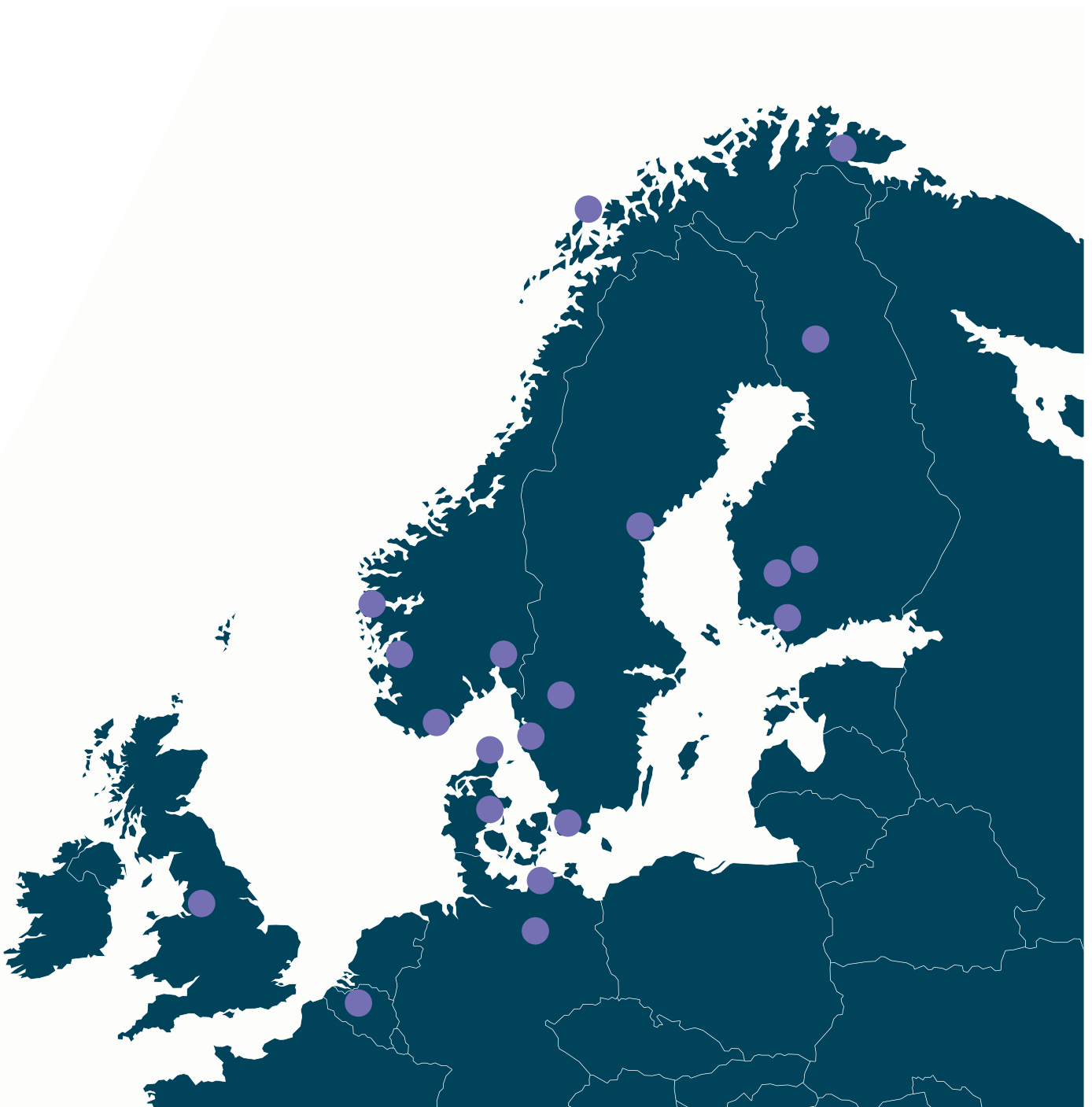
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The **BEWI** Group - Facts & Figures

We are a family-owned company established in Fredrikstad, Norway, in 1956

We are one of Europe's leading manufacturers of XPS (extruded polystyrene foam) and EPS (expanded polystyrene)

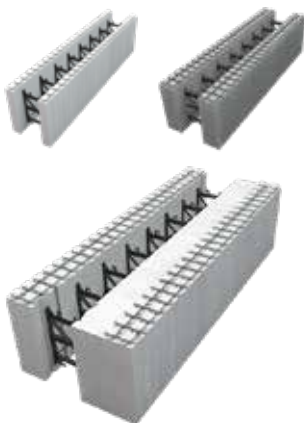
Today, we have 800 employees in 8 countries, 22 factories and 7 sales locations.



The BEWI Group - Facts & Figures

- We distribute our products mainly to European countries
- Segments/product lines
 - building solutions
 - construction boards
 - insulation applications
 - industrial applications
 - EPS raw material/beads
- We are a market and customer driven company, constantly striving to:
 - Improve and develop new products - in close cooperation with our customers
 - Optimize service quality and customer satisfaction

THERMOMUR®



JACKODUR® Atlas



JACKOBOARD®





BE sustainable

Sustainable Building Systems

BEWI's products are made of extruded (XPS) or expanded (EPS) polystyrene - Jackofoam® and Jackopor®. These are processed oil products that consist of 98% air and are 100% recyclable.

At BEWI all surplus materials are recycled from production to new raw materials and new products. Used EPS and XPS can be re-melted and used for the production of other plastic products, e.g. garden furniture and flower boxes. In situations where recovery is not possible, used EPS and XPS can be incinerated and used as an energy carrier in district heating systems. The material is organic, and the combustion products consist of water vapour, soot and carbon dioxide (CO₂).

A large part of BEWI's products are used in the construction industry. This means that our products are buried, clothed or moulded. Thus, they cannot get in the way of polluting the environment - unless they are handled improperly.

EPS and XPS absorb minimal water and cannot rot. The material maintains its properties well over time and is chemically resistant - it does not release any substances into soil or water. The products have a long shelf life and thus reduce the need for replacement.

EPS and XPS have outstanding insulating properties that make the material a first choice for many applications in construction. Heating and cooling of buildings account for about half of Europe's total energy consumption. As EPS and XPS are very effective heat insulating materials, it can significantly reduce the use of fossil fuels for these purposes.

The thermal properties combined with its longevity makes EPS and XPS products the best choice for reducing the lifelong carbon footprint of buildings.

BEWI Thermomur® is a complete and unique building system for foundation walls and walls for residential houses, commercial buildings and garages. The system now includes 6 series adapted to different applications and building engineering requirements.



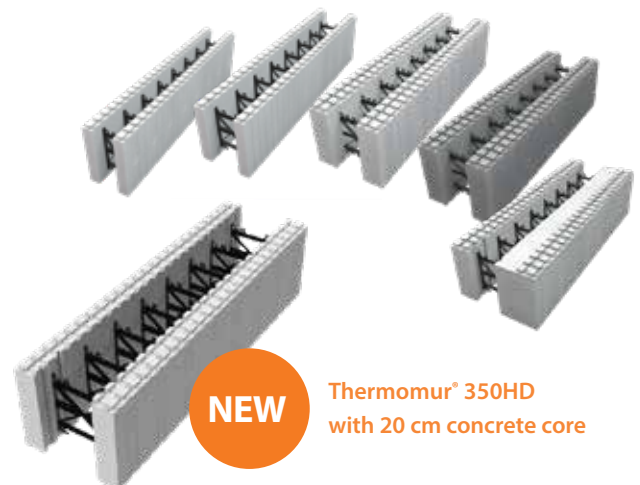
BEWI Thermomur® is based on moulded blocks of Jackopor® (EPS). The blocks are stacked as building blocks, reinforced and finally filled with concrete. Over 30 years of experience has provided a well thought out and wide range of blocks and a complete and unique building system for foundation walls and walls at full floor heights.

Thermomur blocks are lightweight and clean to work with. The foundation wall of a dwelling house is erected on record time, and a complete detached house is built quickly and solidly.

Thermomur® provides an insulated, airtight construction that meets or exceeds the government's energy requirements for homes.

BEWI Thermomur® is the smart, lightweight solution that provides superb room comfort. At the same time energy requirements for heating are reduced significantly. Buildings installed in the **BEWI Thermomur®** require little maintenance and are extremely durable. One can hardly make a more reasonable investment!

- ✓ Lightweight – easy assembly Energy efficient property value
- ✓ Dry, warm and healthy
- ✓ No cold bridges and air tight
- ✓ Technically approved



Thermomur® 350HD
with 20 cm concrete core

BEWI Thermomur® is a complete and unique building system for foundation walls and walls for residential houses, commercial buildings and garages. The system now includes 6 series adapted to different applications and building engineering requirements.



**BEWI
THERMOMUR® 200**



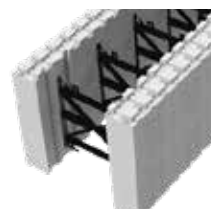
**BEWI
THERMOMUR®
250X**



**BEWI
THERMOMUR® 350**



**BEWI
THERMOMUR® 350
Super**



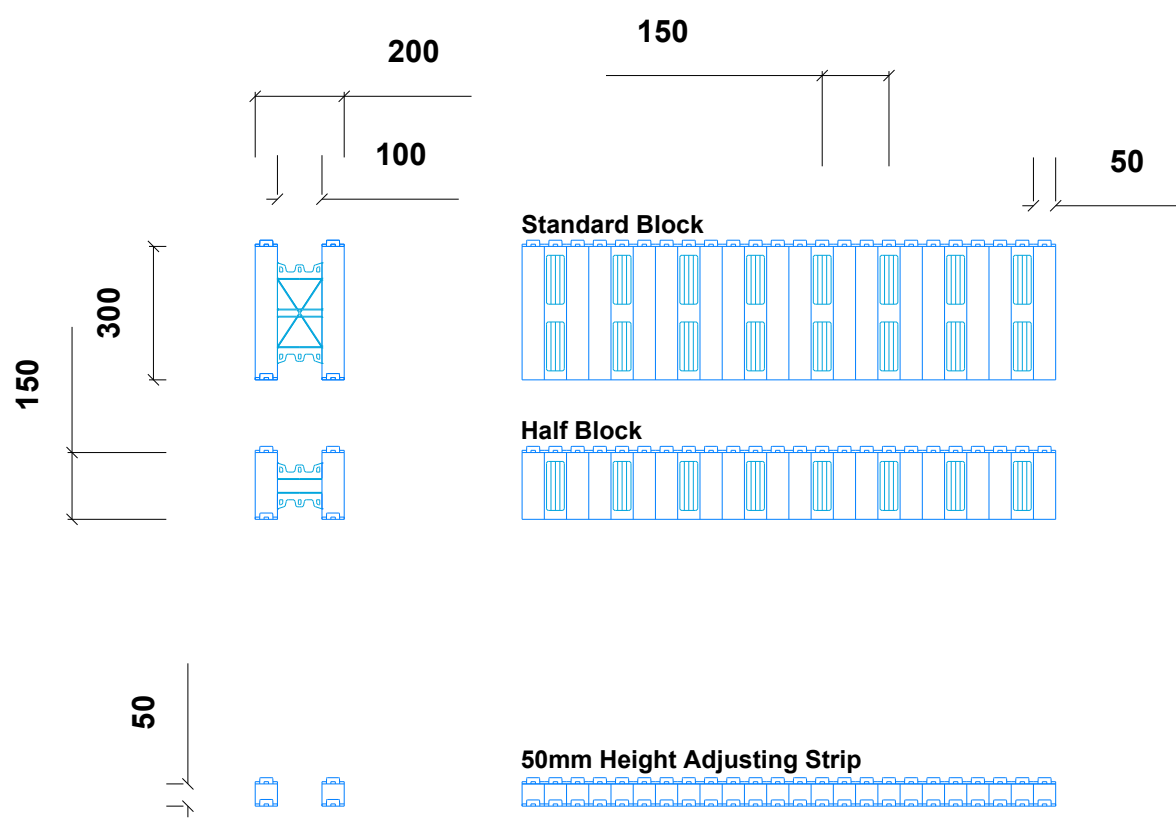
**BEWI
THERMOMUR® 350
HD**



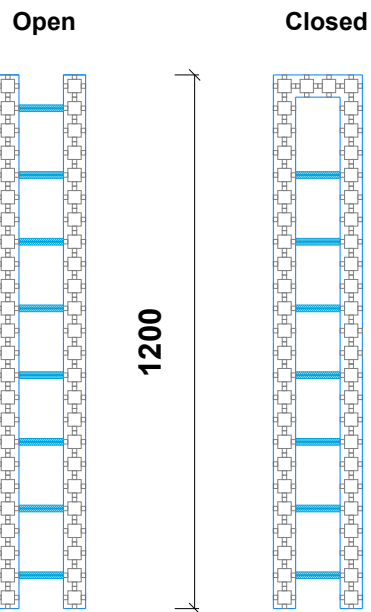
**BEWI
THERMOMUR® 450**

Range	Width (mm)	Length (mm)	Height (mm)	Concrete Core (mm)	EPS Formwork (mm)	Concrete Consumption M3 / M2	U-Value W/MK	EPS
Thermomur® 200	200	1200	300	100	2 x 50	0.10	0.31	Jackopor EPS 150
Thermomur® 250x	250	1200	300	150	2 x 50	0.15	0.31	Jackopor EPS 150
Thermomur® 350	350	1200	300	150	2 x 100	0.15	0.17	Jackopor EPS 150
Thermomur® 350 Super	350	1200	300	150	2 x 100	0.15	0.15	Jackopor Super EPS 150
Thermomur® 350 HD	350	1200	300	200	2 x 75	0.20	0.22	Jackopor EPS 150
Thermomur® 450	450	1200	300	150	100 + 200	0.15	0.11	Jackopor EPS 150

Jackopor Technical Data	Standard	Units	Jackopor EPS 150	Jackopor Super EPS 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035	0.031
Water absorbcency	EN 16535	Vol %	<= 5	<=3
Maximum operating temperature	350	°C	75	70



STANDARD AND HALF BLOCK



THERMOMUR® 200

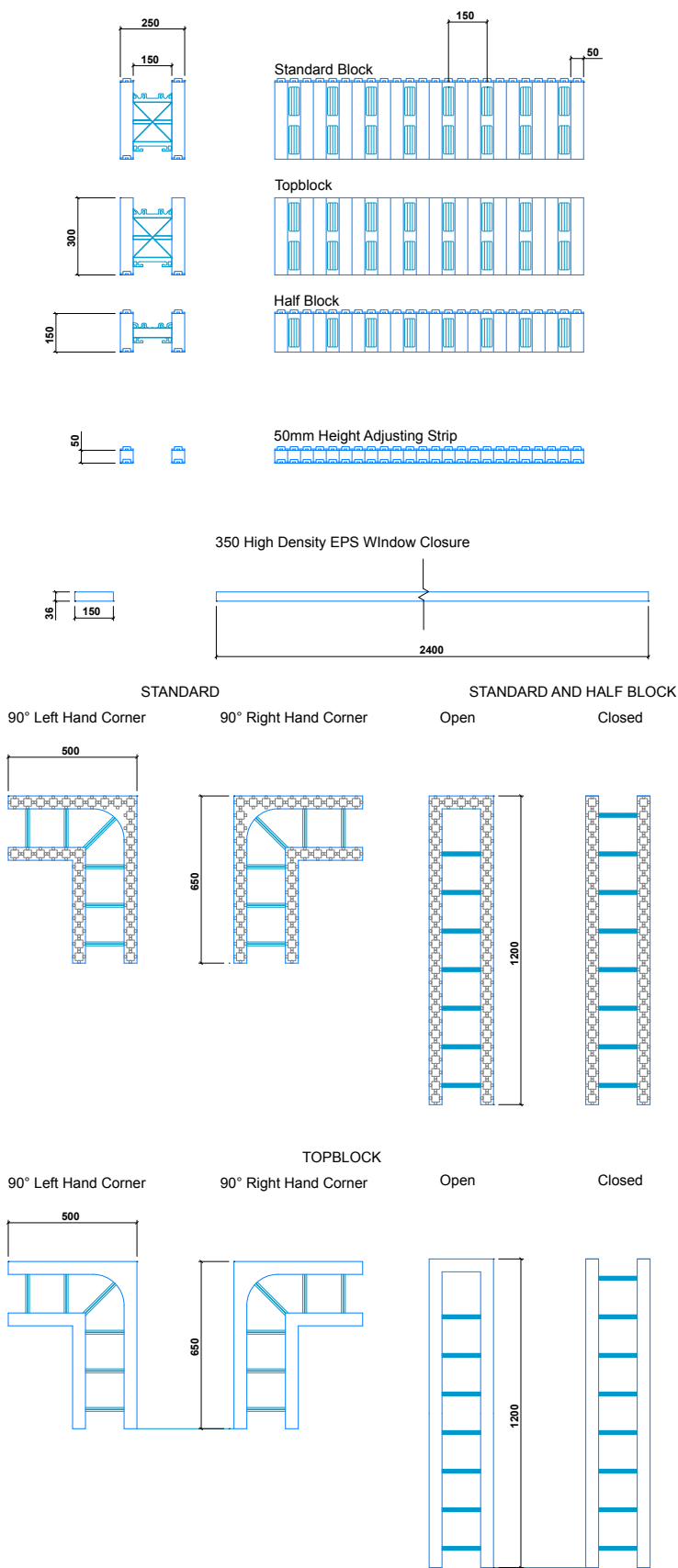
THERMOMUR® 200 - Components

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
	Standard block 200 Available as Open and Closed Block	200 x 300 x 1200	2 x 50	Open: 46531826 Closed: 46531815	0,36 0,36	48 48
	Half Block Available as Open or Closed Block	200 x 150 x 1200	2 x 50	Open: 46531845 Closed: 46531834	0,18	96
	Strips 50 mm high strips for wall or opening djusting	50 x 50 x 1200	50	51984153		-

THERMOMUR® 200 - Technical Data Sheet

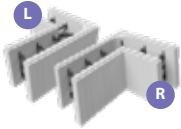
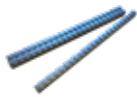
Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 200	100	2 x 50	0.10	0.31	Jackopor EPS 150	Recycled Plastic	-	-

Jackopor Technical Data	Standard	Units	Jackopor EPS 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035
Water absorbency	EN 16535	Vol %	<= 5
Maximum operating temperature		°C	70



THERMOMUR® 250x

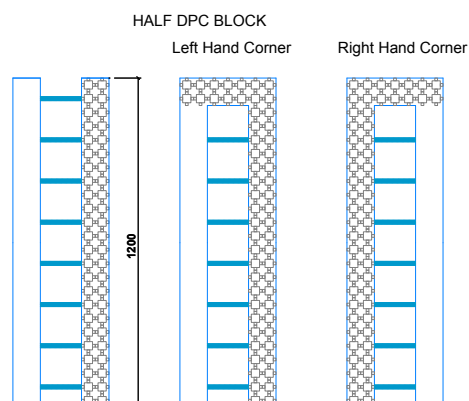
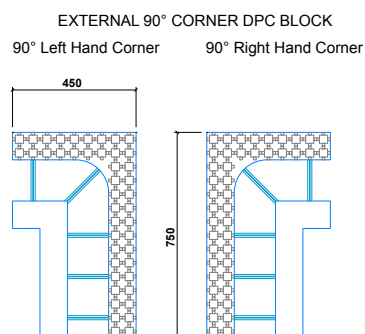
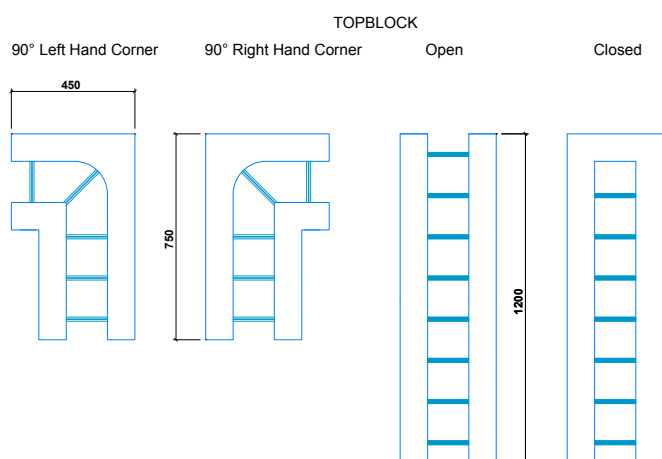
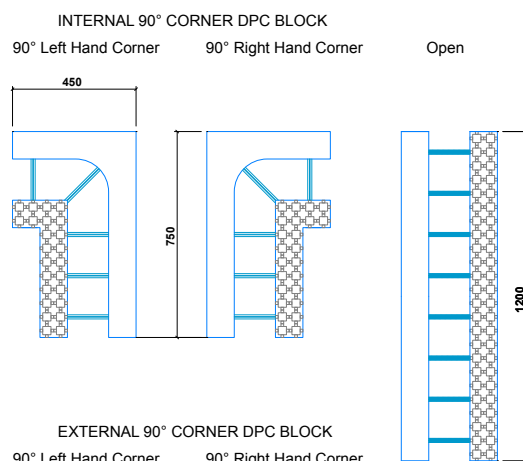
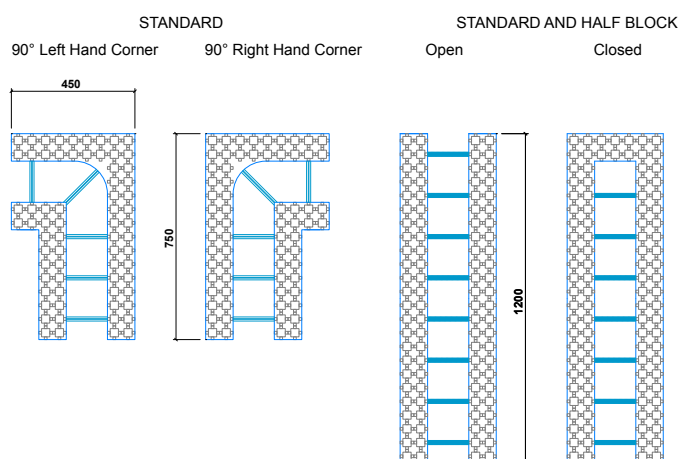
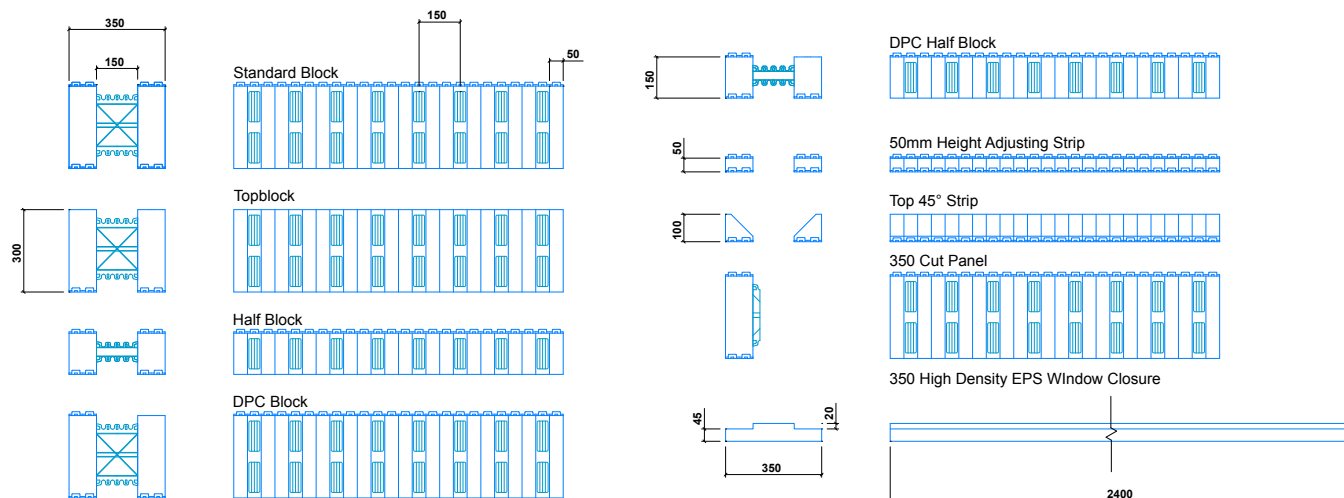
THERMOMUR® 250x - Components

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
	Standard block 250x Available as Open and Closed Block	200 x 300 x 1200	2 x 50	Open: 53708620 Closed: 53708654	0,36 0,36	40 40
	90° Corner Block 250x Available as Left-hand and Right-hand block for corner construction	250 x 300 x (500 + 650)	2 x 50	Left: 53708646 Right: 53708635	0,345 0,345	42
	1/2-block 250x Half height Block for adjusting wall, door or windowsill heights. Available as Open and Closed Block	250 x 150 x 1200	2 x 50	Open: 53708703 Closed: 53708718	0,18 0,18	80 80
	Top block 250x Flat moulded panels for top of wall construction or Radon membrane accommodation. Available as Open and Closed Block	250 x 300 x 1200	2 x 50	Open: 53708665 Closed: 53708692	0,36 0,36	40 40
	Top block 90° Corner 250x Available as Left-hand and Right-hand block for corner construction	250 x 300 x (500 + 650)	2 x 50	Left: 53708684 Right: 53708673	0,345 0,345	42
	Strips 50mm high strips for wall or opening adjusting	50 x 50 x 1200	50	51984153	0,36 0,36	-

THERMOMUR® 250x - Technical Data Sheet

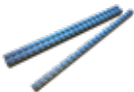
Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 250x	150	2 x 50	0.15	0.31	Jackopor EPS 150	Recycled Plastic	ETA, BBA	REI90

Jackopor Technical Data	Standard	Units	Jackopor EPS 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035
Water absorbency	EN 16535	Vol %	<= 5
Maximum operating temperature		°C	70



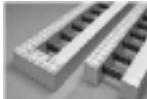
THERMOMUR® 350

THERMOMUR® 350 - Components

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
	Standard block 350x Available as Open and Closed Block	200 x 300 x 1200	2 x 100	Open: 41466988 Closed: 41466996	0,36 0,36	28 28
	90° Corner Block 350 Available as Left-hand and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 100	Left: 43819398 Right: 43819383	0,36 0,36	24
	1/2-block 350 Half height Block for adjusting wall, door or windowsill heights. Available as Open and Closed Block	350 x 150 x 1200	2 x 100	Open: 41467002 Closed: 41467010	0,18 0,18	56 56
	Top block 350 Available as Left-hand and Right-hand block for corner construction	250 x 300 x 1200	2 x 100	Open: 41467028 Closed: 41467036	0,36 0,36	40 40
	Top block 90° Corner 350 Available as Left-hand and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 100	Left: 45451764 Right: 45451753	0,36 0,36	24
	350 Panel For Intermediate floor detail	120 x 300 x 1200	-	46348540	0.36	56
	Strips 50mm high strips for wall or opening adjusting	100 x 50 x 1200	100	46348566	0.06	-
	45° Strip Used to widen the concrete bearing width	100 x 100 x 1200	100	46348574	0.12	-
	350 DPC Block Flat moulded top of panel for DPC membrane accommodation	350 x 300 x 1200	2 x 100	51543815	0.36	28

THERMOMUR® 350

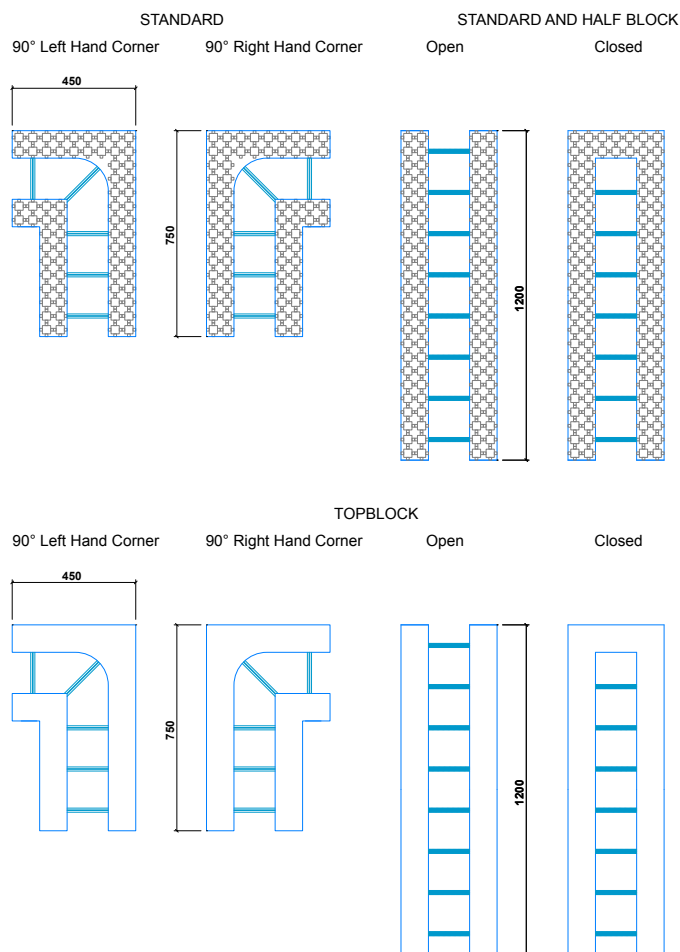
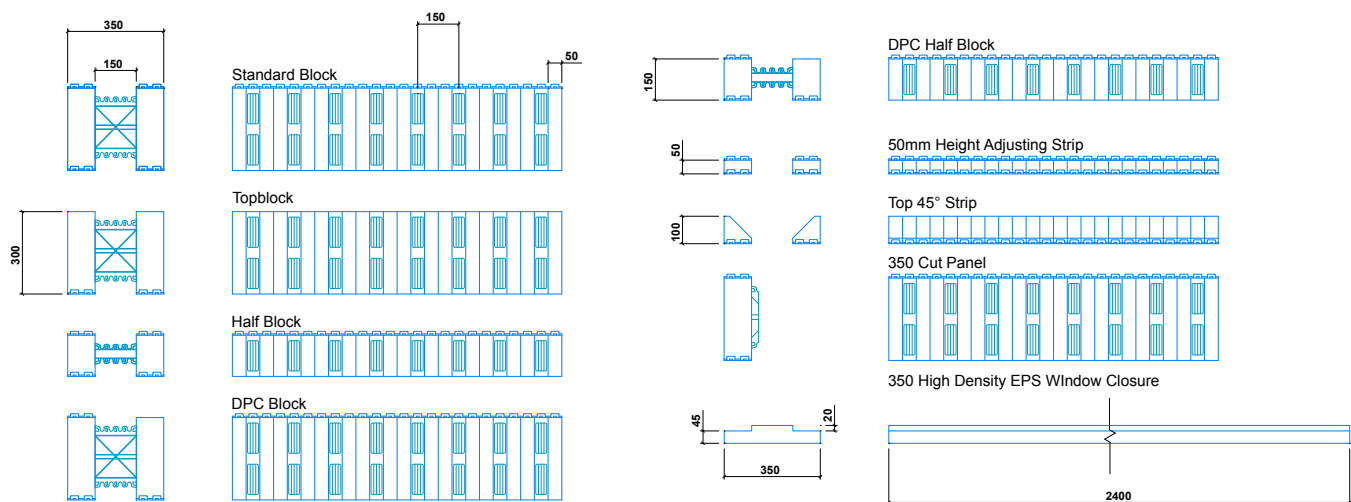
THERMOMUR® 350 - Components

	DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
 350 Internal DPC 90° Corner Block Left-hand and Right-hand DPC blocks for Internal Corners	350 x 300 x (750 + 450)	2 x 100	Left: 51958442 Right: 51958438	0,36 0,36	24
 350 External DPC 90° Corner Block Left-hand and Right-hand DPC blocks for External Corners	350 x 300 x (750 + 450)	2 x 100	Left: 51958457 Right: 51958423	0,36 0,36	24
 1/2-DPC Block 350 Open Half height DPC block. Height = 150 mm	350 x 150 x 1200	2 x 100	45619454	0,18	56
 1/2-DPC Corner Block 350 Open Half height DPC block. Height = 150 mm	350 x 150 x 1200	2 x 100	Internal: 46061918 External: 46061903	0,18 0,18	56

THERMOMUR® 350x - Technical Data Sheet

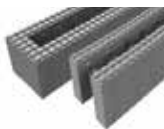
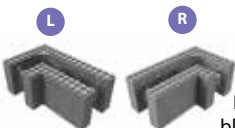
Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 350x	150	2 x 100	0.15	0.17	Jackopor EPS 150	Recycled Plastic	ETA, BBA	REI90

Jackopor Technical Data	Standard	Units	Jackopor EPS 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035
Water absorbency	EN 16535	Vol %	<= 5
Maximum operating temperature		°C	70



THERMOMUR® 350 Super

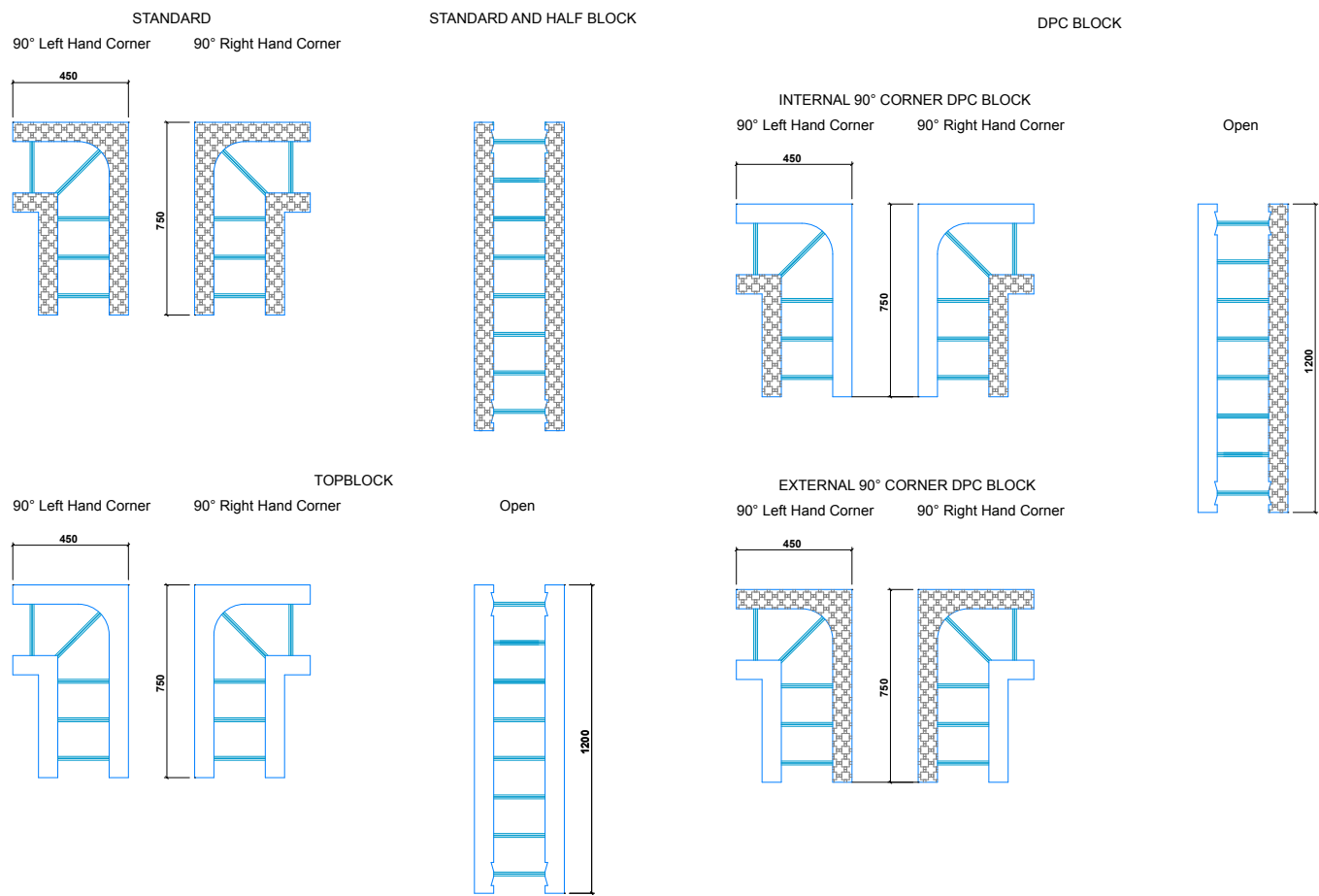
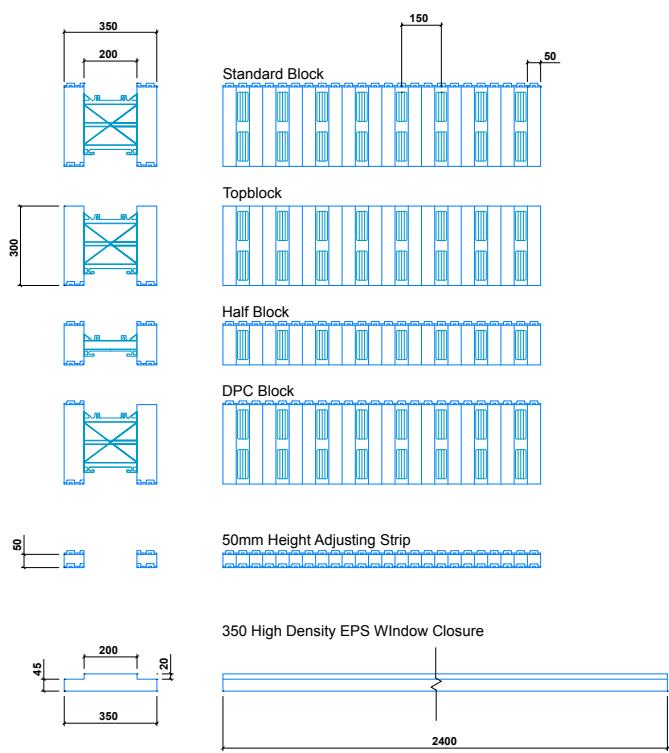
THERMOMUR® 350 Super - Components

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
	Standard block 350 Super Available as Open and Closed Block	350 x 300 x 1200	2 x 100	Open: 44883046 Closed: 44883073	0,36 0,36	28 28
	90° Corner Block 350 Super Available as Left-hand and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 100	Left: 44883065 Right: 44883054	0,36 0,36	24
	1/2-block 350 Super Half height Block for adjusting wall, door or windowsill heights. Available as Open and Closed Block	350 x 150 x 1200	2 x 100	Open: 44883020 Closed: 44883035	0,18 0,18	56 56
	Top block 350 Super Flat moulded panels for top of wall construction or Radon membrane accommodation. Available as Open and Closed Block	350 x 300 x 1200	2 x 100	Open: 44883084 Closed: 44883092	0,36 0,36	40 40
	Top block 90° Corner 350 Super Available as Left-hand and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 100	Left: 45451783 Right: 45451772	0,36 0,36	24
	350 Super Panel For Intermediate floor detail	120 x 300 x 1200	1 x 100	51062018	0.36	56

THERMOMUR® 350 Super - Technical Data Sheet

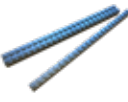
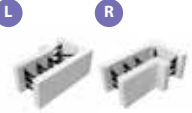
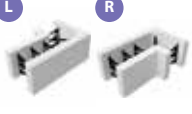
Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 350 Super	150	2 x 100	0.15	0.15	Jackopor Super EPS	Recycled Plastic	ETA, BBA	REI90

Jackopor Technical Data	Standard	Units	Jackopor Super EPS 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45
Declared thermal conductivity	EN 13164	W/mK	0.031
Water absorbency	EN 16535	Vol %	<=3
Maximum operating temperature		°C	70



THERMOMUR® 350HD

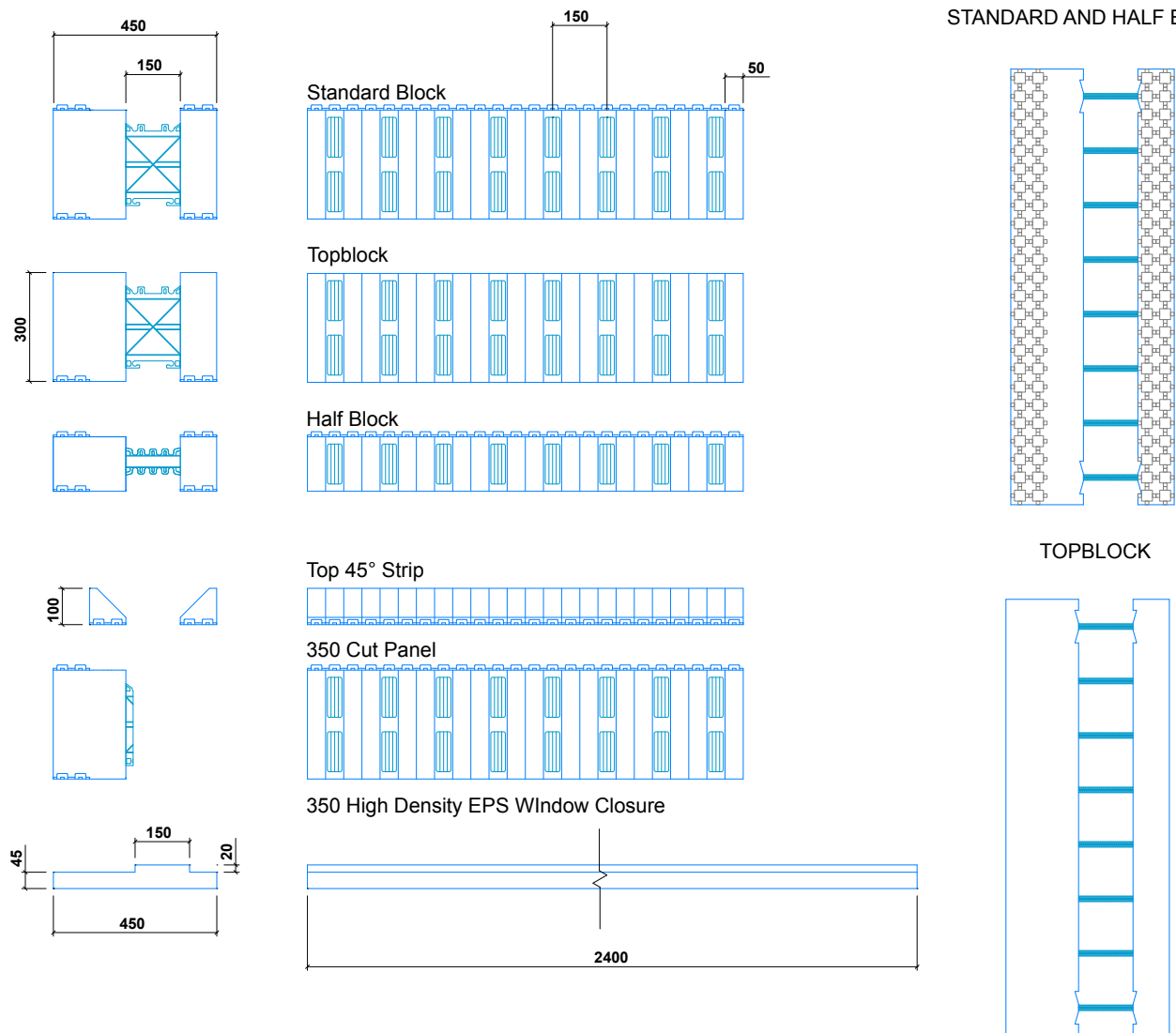
THERMOMUR® 350 HD - Components

	DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
 Standard block 350HD Available as Open Block	350 x 300 x 1200	2 x 75	55423340	0,36	28 28
 90° Corner Block 350HD Available as Left-hand and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 75 2 x 75	Left: 55423366 Right: 55423355	0,345 0,345	24
 1/2-block 350HD Half height Block for adjusting wall, door or windowsill heights. Available as Open Block	350 x 150 x 1200	2 x 75	55423336	0,18	56
 Top block 350HD Flat moulded panels for top of wall construction or Radon membrane accommodation. Available as Open Block	350 x 300 x 1200	2 x 75	55423412	0,36	28
 Top block 90° Corner 350HD Available as left- and Right-hand block for corner construction	350 x 300 x (750 + 450)	2 x 75	Left: 55423438 Right: 55423423	0,36 0,36	24
 STRIPS For Intermediate floor detail	75 x 50 x 1200	75	55951764	0.06	-
 350HD DPC Block Flat moulded top of panel for DPC membrane accommodation	350 x 300 x 1200	2 x 75	55423374	0.36	28
 350HD Internal DPC 90° Corner Block Flat moulded top of panel for DPC membrane accommodation	350 x 300 x (750 + 450)	2 x 75 2 x 75	Left: 55423404 Right: 55423393	0,36 0,36	24
 350HD External DPC 90° Corner Block Left and Right DPC blocks for External Corners	350 x 300 x (750 + 450)	2 x 75 2 x 75	Left: 55423385 Right: 55423476	0,36 0,36	24

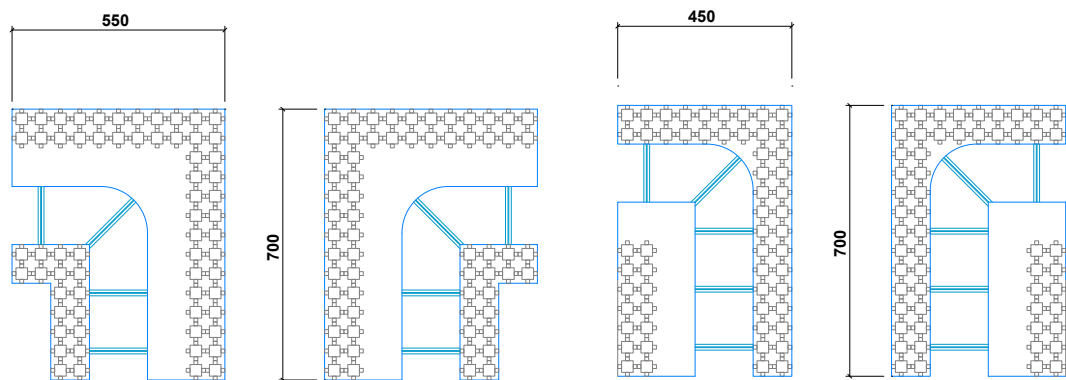
THERMOMUR® 350Super - Technical Data Sheet

Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 350HD	200	2 x 75	0.20	0.22	Jackopor EPS 150	Recycled Plastic	ETA, BBA	REI90

Jackopor Technical Data	Standard	Units	Jackopor 150
Compressive strength (10% Deformation)	EN 826	kN/m²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m²	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035
Water absorbency	EN 16535	Vol %	<= 5
Maximum operating temperature		°C	70

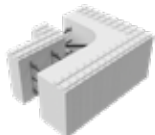
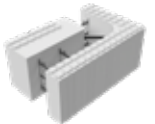
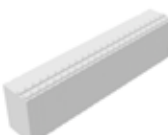


EXTERNAL 90° CORNER BLOCK INTERNAL 90° CORNER BLOCK
90° Left Hand Corner 90° Right Hand Corner 90° Left Hand Corner 90° Right Hand Corner



THERMOMUR® 450

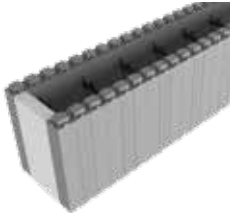
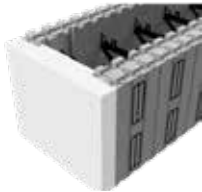
THERMOMUR® 450 - Components

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item	Unit /Pallet
	Standard Block 450x Available as Open Block	450 x 300 x 1200	200 + 100	53708563	0,36	20 20
	90° External Corner Block 450 Available as Left-hand and Right-hand Block for corner construction	450 x 300 x (550 + 700)	200 + 100	Left: 53708597 Right: 53708578	0,375 0,375	24
	90° Internal Corner Block 450 Available as Left-hand and Right-hand Block for internal corner construction	450 x 300 x (450 + 700)	200 + 100	Left: 53708601 Right: 53708582	0,345 0,345	24 24
	1/2-block 450 Half height Block for adjusting wall, door or windowsill heights. Available as Open Block	450 x 150 x 1200	200 + 100	53708552	0,18	40 40
	Top block 450 Flat moulded panels for top of wall construction or Radon membrane accommodation. Available as Open Block	450 x 300 x 1200	200 + 100	53708616	0,36	20
	450 Panel For Intermediate floor detail	220 x 300 x 1200	-	53708953	0,36	

THERMOMUR® 450 - Technical Data Sheet

Data	Concrete Core (mm)	EPS (mm)	Concrete M3/M2	U-Value W/MK	EPS	Bridges	Certifications	Fire Rating
Thermomur® 450HD	150	200 + 100	0.15	0.11	Jackopor EPS 150	Recycled Plastic	ETA, BBA	REI90

Jackopor Technical Data	Standard	Units	Jackopor 150
Compressive strength (10% Deformation)	EN 826	kN/m ²	150
Long term compressive stress (2% Deformation/50 years)	EN 1606	kN/m ²	45
Declared thermal conductivity	EN 13163/4	W/mK	0.035
Water absorbency	EN 16535	Vol %	<= 5
Maximum operating temperature		°C	70

		DIMS (mm)	Insulation Thickness (mm)	Item No	M ² /Item
	Opening Closure 150 Standard opening formwork for the 150 mm core systems	150 x 2400	36	56043358	-
	Opening Closure 350 Designed for enhanced thermal detail around openings and wall plate of the 350 System	350 x 2400 Core: 150mm	45/65	56043362	-
	Opening Closure 350HD Designed for enhanced thermal detail around openings and wall plate of the 350HD System	350 x 2400 Core: 200 mm	45/65	56043377	-
	Opening Closure 450 Designed for enhanced thermal detail around openings and wall plate of the 450 System	450 x 2400 Core: 150mm	45/65	56043381	-

THERMOMUR® High Density Cavity Closures Technical Data Sheet

Data	Concrete Core (mm)	EPS (mm)	EPS (mm)	Density
High Density Cavity Closures	150/200	36, 45/65	Jackopor EPS	>130 Kg/m ³

		DIMS (mm)	Item No	M ² /Item
	BEWI Thermomur Top Tape Protects the Thermomur interlocking system while concreting	150mm x 134m	54519674	-
	Expanding Foam For sealing small holes and openings	-	29469186	-
	Formwork Ancillaries Wire Hoop and wedge system to aid vertical support timber stud	Thermomur® 200	46714621	Pack of 20
		Thermomur® 250	23107568	Pack of 20
		Thermomur® 350	41467044	Pack of 20
			48332703	Pack of 24
	Vertical Rebar Holder Clip Attaches to the Thermomur Plastic Bridge to keep the vertical rebar in place while concreting	Standard width (100mm) 350HD (135mm)	52690116 55940666	Pack of 25 Pack of 25
	Rebar Links Bent to fit within the standard 150 mm core systems	b x h 130x240 mm 130 x 390 mm	46714458 46714462	- -
	Rebar Links 350HD Bent to fit within the HD system with a 200 mm core	b x h 175 x 240 mm 175 x 390 mm	55940640 55940655	- -
	Metal wedge Plates Holds insulation panels butted to each other	-	25566712	Pack of 25
	Plastic Screws Attaches insulation boards together	100 mm 140 mm 190 mm	30731855 30731863 54941600	Pack of 500

BEWI Bracing system Uses Plumwall’s design to provide all in one (support , access, alignment & plumb) with the one person alignment control right at platform level.

Folding lightweight design with a heavy duty galvanised steel strongback and a 3 way anchor foot for fixing to different floor constructions. Allows the use of scaffolding boards and safety rails for Heath & Safety compliance.

- ✓ Lightweight – easy assembly
- ✓ One person adjustment system
- ✓ All in one system: Access, support, plumb & alignment
- ✓ Forklift accessible, stackable storage crate
- ✓ Safety post for rail & kick boards

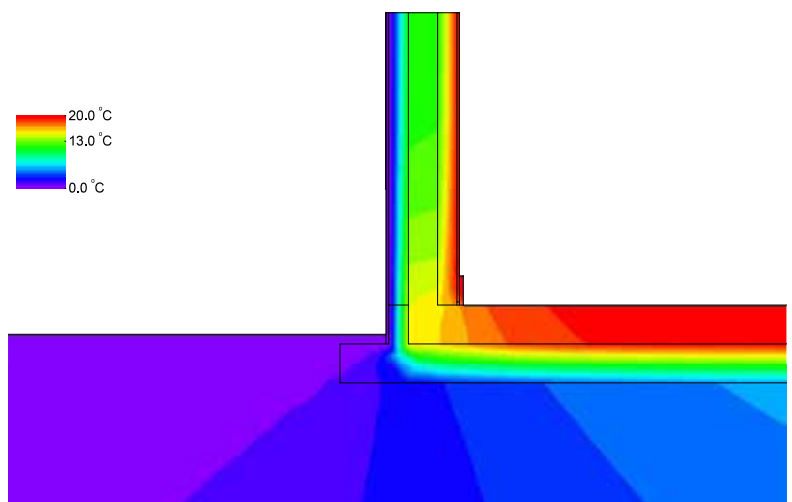


Item	DIMS (mm)	Item No	Pack Size
BEWI Thermomur Bracing System All in one I CF support system for Thermomur walls	3000	-	24

JACKODUR® Atlas – made of extruded polystyrene foam (XPS) – is an intelligent, efficient thermal insulation and formwork system for floor slabs. The innovation part is the new, economical interlocking system, which provides thermal bridge-free insulation in all types of buildings.

The Atlas system will eliminate the key thermal bridge at the junction of the floor slab and the external walls. Supplied cut to size to eliminate waste on site and ensuring a rapid build programme whilst offering complete design flexibility

- ✓ Lightweight – easy assembly
- ✓ Speed of construction
- ✓ Cut to fit individual raft design
- ✓ Energy efficient. Bespoke U-Value
- ✓ Technically approved



Technically approved

- Formwork element with tongue for insertion into Atlas corner and side element
- Insulation thicknesses from 80-320 mm for floor plate heights up to 500 mm

Surface element

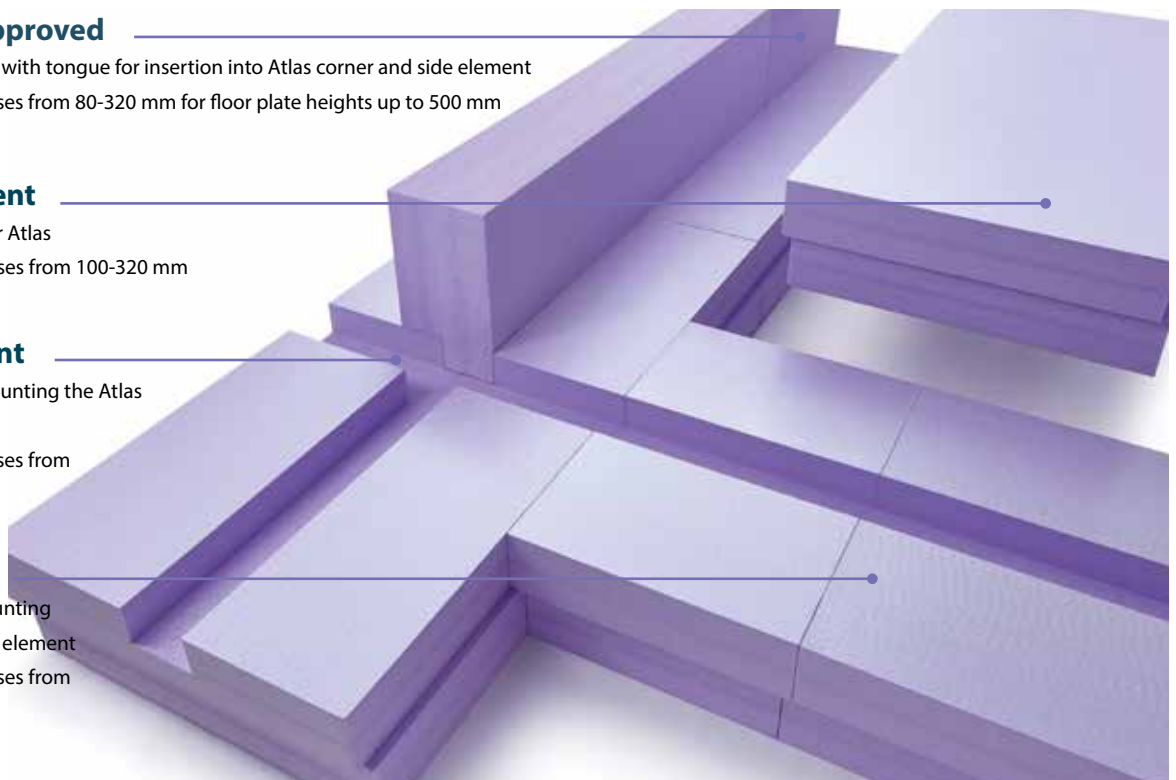
- Surface element for Atlas
- Insulation thicknesses from 100-320 mm

Corner element

- With groove for mounting the Atlas formwork element
- Insulation thicknesses from 100-320 mm

Side element

- With groove for mounting the Atlas formwork element
- Insulation thicknesses from 100-320 mm



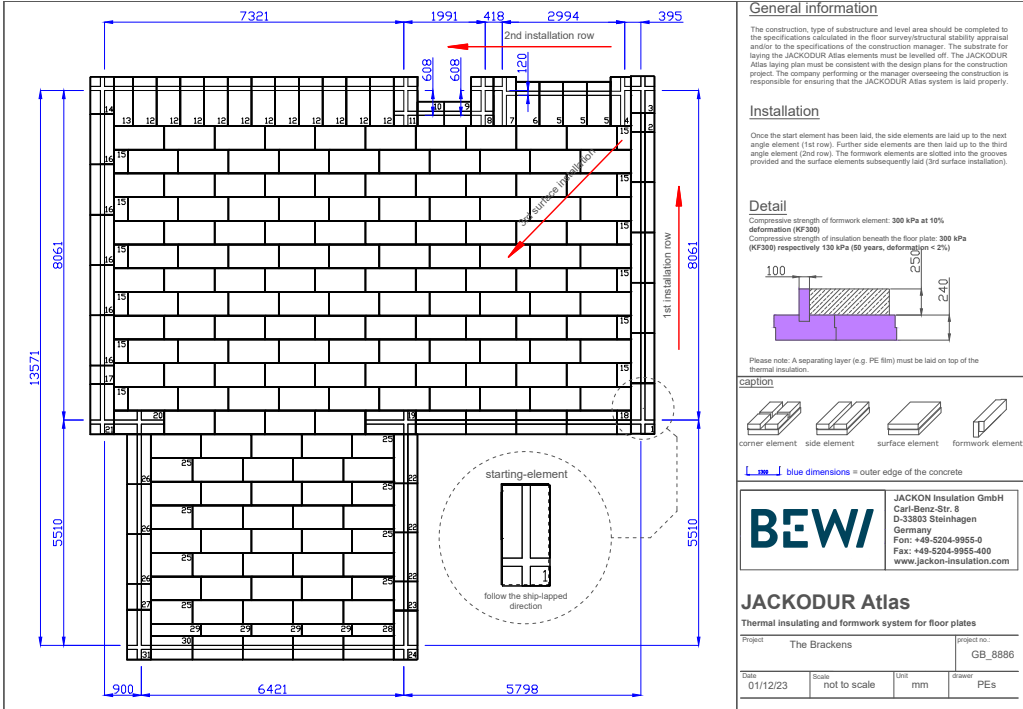
Full Bespoke & Perimeter Systems - Components

		DIMS (mm)	Insulation thickness (mm)
 Surface Element Covers the majority of the floor area. • Cut bespoke (Full Atlas System) • Cut on site (Atlas Perimeter system)		1265 x 615 mm, covering area 1250 x 600 on bespoke system (except especially cut elements)	100 to 320 mm
 Side Element Similar thickness to the Surface Elements but are machined with a groove to hold the Formwork Elements secure.		-	100 to 320 mm
 Corner Edge Element Machined to form the corners of the slab.		-	100 to 320 mm
 Formwork Element Can be supplied at a height to suit your floor slab thickness (Standard length cut on site)		Max Height 500 mm	80 to 320 mm

Available in 300 Kpa, 500 Kpa and 700 Kpa compressive strengths



Example On-Site Instructions:



JACKODUR® Atlas

Object: Obj_8886
Order number: A400500744

Packing list:

Pallet 01 (21)	5	pcs	Side element
	1	pc	Special part No.1
	1	pc	Special part No.2
	1	pc	Special part No.3
	1	pc	Special part No.4
	3	pcs	Special part No.5
	1	pc	Special part No.6
	1	pc	Special part No.7
	1	pc	Special part No.8
	1	pc	Special part No.9
	1	pc	Special part No.10
	1	pc	Special part No.11
Pallet 02 (21)	3	pcs	Special part No.12
	10	pcs	Surface element
	8	pcs	Special part No.12
	1	pc	Special part No.13
	1	pc	Special part No.14
Pallet 03 (21)	1	pc	Special part No.15
	18	pcs	Surface element
	2	pcs	Special part No.15
	1	pc	Special part No.16

JACKODUR Atlas® XPS - Technical Data Sheet

Compressive Strength	KF300	KF500	KF700
compressive strengths at 10% deformation in kPa [EN 826]	300	500	700
compressive creep (50 years, deformation <2% in kPa [EN 1606])	130	180	250

Units			
moisture absorption, under freeze-thaw	EN 12091		up to 1%
thermal conductivity, λ_D	EN 13164	W/(m·K)	0.034
thermal conductivity, λ_D with 10% moisture	EN 10456	W/(m·K)	-
thermal conductivity, λ_D with 1% moisture	EN 10456	W/(m·K)	0.035

Thickness	Thermal Conductivity λ_D (EN 13164)		
	KF300	KF500	KF700
mm	W/(m·K)		
100	0,035	0,035	0,035
120	0,035	0,035	0,035
140	0,035	0,035	0,035
160	0,035	0,035	0,035
180	0,035	0,035	0,035
200	0.036	0,035	0,035
220	0.036	0,035	0,035
240	0.036	0,035	0,035
280	0.036	0,035	0,035
300	0.036	0,035	0,035
320	0.036	0,035	0,035

JACKODUR® Atlas JRS is a simpler system ideal for more standard footprints and multi unit developments*

Based on the same principle as the Atlas, the JRS is a standard components option system comprised of internal and external corners, side elements and surface elements. The components are easily assembled and cut on site if required.

- ✓ Lightweight – easy assembly
- ✓ Speed of construction
- ✓ Energy efficient
- ✓ Technically approved



* Minimum orders apply

JRS System - Components

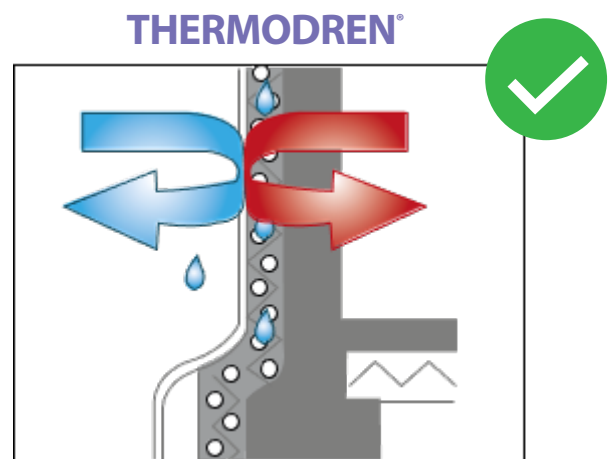
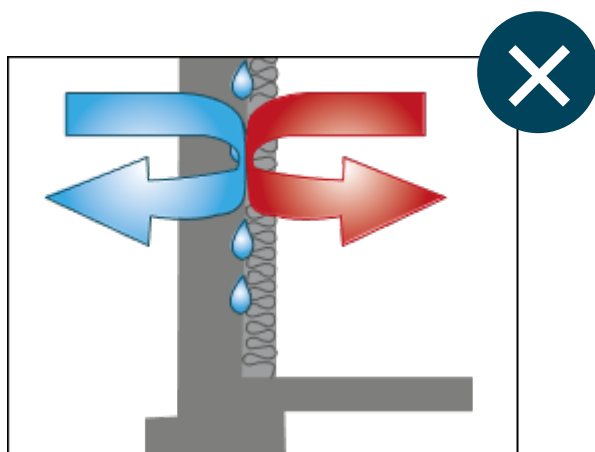
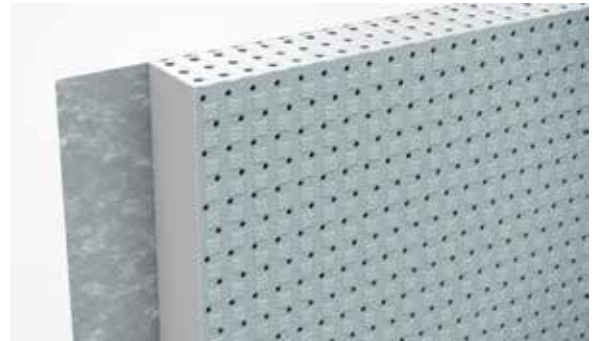
		DIMS (mm)	Insulation thickness (mm)
	Surface Element Covers the majority of the floor area. Cut on site	1265 x 615 mm, covering area	100 to 320 mm
	Side Element Formworks edge L element glued at the manufacturing plant and cut on site. Standard sizes depending on configuration.	-	100 to 320 mm
	Corner Edge Element External corner formwork glued at the manufacturing plant and cut on site. Standard sizes depending on configuration.	-	100 to 320 mm
	Formwork Element Internal corner formwork glued at the manufacturing plant and cut on site. Standard sizes depending on configuration.	Depending on configuration	80 to 320 mm

BEW/ THERMODREN®

BEWI Thermodren® is a pressure-resistant and solid drainage board system manufactured in the Jackopor® 100.

The boards are used for External insulation and drainage of basement walls. With its patented small horizontal and vertical perforations, the board provides optimal drainage of moisture and water.

- ✓ Insulation and drainage in the same board
- ✓ Allows the basement walls to dry out
- ✓ Reduced Energy Costs
- ✓ Available in different thicknesses



JACKODUR THERMODREN® - Technical Data Sheet

Specification	Standard	Unit	BEWI THERMODREN®
Thermal conductivity, λ_D	EN 13163	x 10-3 W/mK	38
Compressive strength, short time (10% deformation)	NS-EN 826	kN/m2	70
Compressive Creep, long term (2% deformation/50 years)	NS-EN 1606	kN/m2	21
Drainage capacity (vertical)	-	l/min/m	100 mm: 60 l/min/m 200 mm: 120l/min/m
Fibre cloth (glued / loose)	-	-	N2
Recommended Maximum Filling height-heavy backfills	Clay, etc	m	0 - 4,0
Recommended Filling height - medium-heavy backfills	Gravel, soil, sand, blasted stone, etc	m	0 - 6,0
Recommended Filling height - lightweight backfills	EPS, Glasopor, etc	m	0 - 10,0



	DIM (mm)	Thickness	Item no	Pack Size	
				Unit	m ²
Thermodren 100 -With cloth	600 x 1200	100	50947286	4	2,880
Thermodren 200-With cloth	600 x 1200	200	51062226	3	1,440

		DIMS (mm)	Item No	Pack Size
	EPS Closing board Caps the top layer of Thermodren	1200 x 100	50984152	10
		1200 x 200	51480202	10
	Thermodren Plastic flashing Avoids water penetration at the top connection	2400 x 100	53591716	10
		2400 x 200	56849134	10
	Plastic Plugs To connect the Thermodren panels	10	51052956	50
	Insulation Fixing Screws To fix Thermodren or other insulation to masonry backgrounds	95	51602475	200
		115	51602486	200
		135	51602494	200
		195	51602505	100
		235	51602513	100
	Plastic spike Attaches Thermodren to Thermomur external layer prior to backfill	70	56862975	250
		140	56862986	250
		180	56862994	250
		250	56863005	250

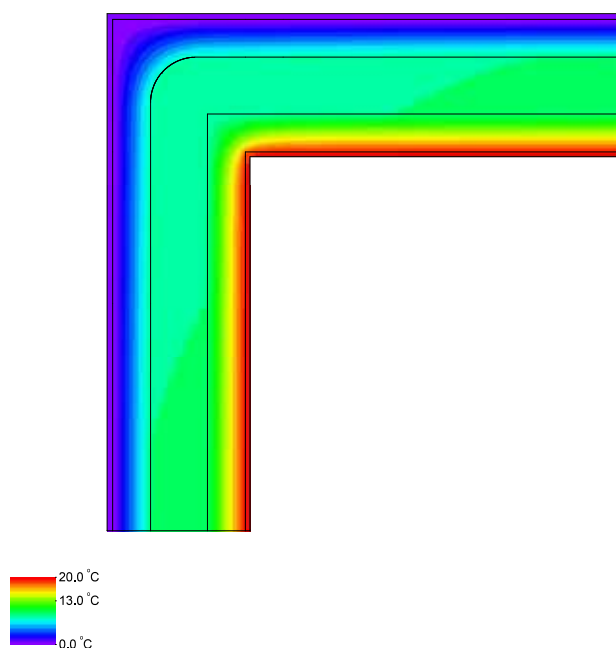
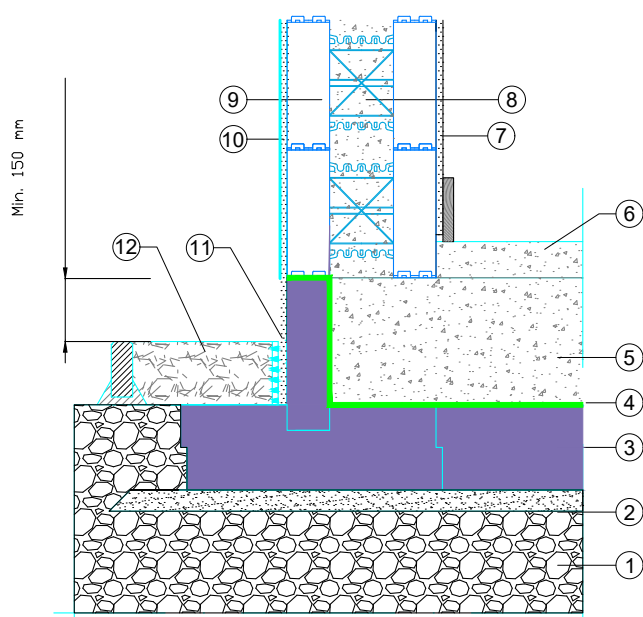
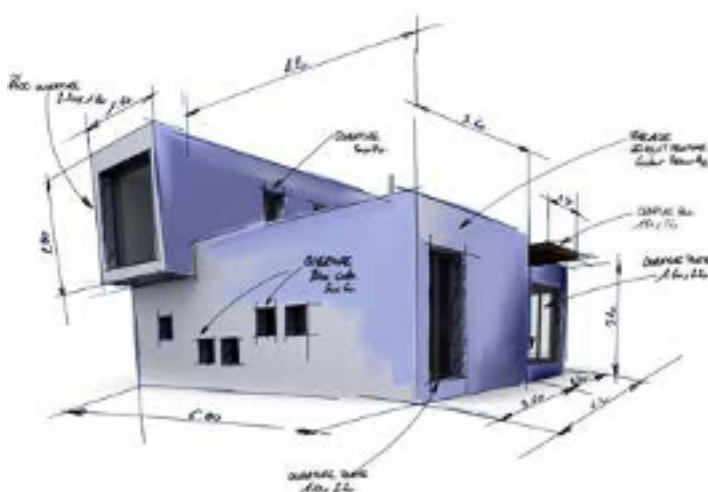
BEWI Technical Customer Service is staffed by professionals with many years experience with insulation and building systems as a special field. Ask us, we know what we're talking about!

Whether for small or large construction projects our dedicated staff are ready to assist with advice and guidance.

BEWI's customers are welcome to contact us with any questions of a technical nature and for assistance with construction solutions and calculations.

Our goal is to get your construction project off to the best start, a safe and effective implementation and an optimal result.

- ✓ Product selection guidance
- ✓ Estimating services FOC
- ✓ CAD Standard Construction Details
- ✓ U Value & Thermal Bridging Analysis



Solutions for construction.
Simple but **effective**.

BEWI

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