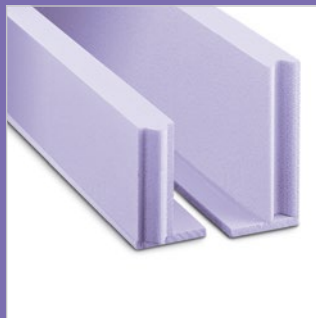
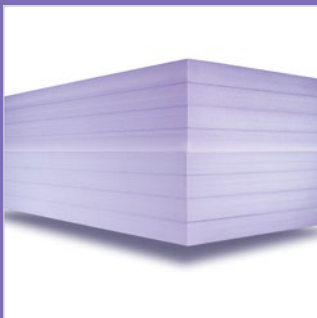


JACKODUR®

Thermal insulation for structural use.



JACKODUR® thermal insulation, saves valuable resources.

JACKODUR® is a high-quality thermal insulation made of extruded polystyrene (XPS) according to EN13164. It is load bearing, dimensionally stable, insensitive to moisture and rot-proof. JACKODUR® thermal insulation is available in various thicknesses and edge finishes with a smooth or textured surface. The complete JACKODUR® XPS range offers minimum lambda values and the unrivalled durability and the extremely easy processing distinguish the thermal insulation. The insulation boards are produced with the multilayer technology, so that during processing a safe and quick single-layer installation up to 400 mm is guaranteed.



100% recyclable



Water repellent



**Superb thermal insulation
properties from $\lambda_D = 0.027 \text{ W/(m}\cdot\text{K)}$**



**Various compressive strenghts
 $\geq 300, 500, 700 \text{ kPa}$**



**Suitable for use in
groundwater**



**Resistant to frost/
thaw changes**



**Insulation thicknesses
from 20 - 400 mm**



**Complete with
national technical approval**

This document replaces all previous versions and editions. All deliveries are governed exclusively by our General Terms and Conditions of Sale and Supply and by our Installation Instructions, in both cases as amended at the time of ordering (available on the internet at www.jackon-insulation.com). All prices apply for entire packaging units and are exclusive of statutory VAT. Please observe our minimum order value. Deliveries exclude unloading.



valid from 01.01.2023

Table of Contents

JACKODUR® thermal insulation	02
Sustainability strategy	04-05

Thermal insulation

NEW EVO 300 Standard SF	06
Plus 300 Standard SF	07
Plus 300 Gefiniert GL	07
KF 300 Standard SF	08
KF 300 Standard GL	08
KF 300 Gefiniert GL	09
KF 300 Standard NF	09
KF 500 Standard SF	10
KF 700 Standard SF	10

Cold bridge insulation

NEW Rendering edging strips EVO	12
Rendering edging strips Plus	13
Insulation shuttering JDS	13
Angle fillet	14
Cavity tray insulation	14

Accessoires

Perimeter adhesive foam	16
Assembly adhesive	16
Filter layer WA	16

JACKODUR® Atlas	18-19
Technical data	20-21



Sustainability strategy



About JACKON Insulation

We are a leading manufacturer of XPS products offering high-efficiency thermal insulation solutions that reduce CO₂ footprint in building and industrial applications. As our customer, you can trust our extensive manufacturing expertise and rely on our broad product range – not only for construction applications, but also for many other purposes.

At Jackon Insulation, environmental protection starts with production.

We minimise waste and greenhouse gas emissions, consistently conserve resources, treat energy conscientiously, and reduce hazardous materials or make sure we use them safely.

We work continuously to develop sustainable products using blowing agents with low global warming potential (GWP). We document our products throughout their lifecycle; through sourcing, manufacture, utilisation to the final disposal stage; providing Material Safety Data Sheets (MSDS), Environmental Product Declarations (EPDs) and Volatile Organic Compound (VOCs) analysis.

For more information: www.jackon-insulation.com

JACKON Insulation has been part of the BEWI Group since October 2022.

BEWI is an international provider of packaging, components, and insulation solutions. The company's commitment to sustainability is integrated throughout the value chain, from production of raw materials and end goods, to recycling of used products.

By 2030 we are committed to:



Becoming circular

- 100% recyclable products
- 50% recycled or non-fossil raw materials
- 50% non-fossil energy sources
- Zero waste from production
- Collect 100% of packaging delivered to market
- Packaging made from min. 50% recycled or non-fossil raw materials



Actively engage in partnerships

- Strong networking with our stakeholders
- Demand sustainable primary products and raw materials
- Participate in research projects
- Participate in international and national industry associations
- 100% of our suppliers comply with our sustainability requirements



Contribute to an inclusive society

- Enable our employees to develop and engage
- Provide equal opportunities for all
- Never compromise on health and safety
- 100% of our partners comply with our requirement regarding ethics, labour, and human rights

Our strategic approach to sustainability is based on three pillars:

Becoming circular

To be a circular business built on renewable energy.

Actively engage in partnerships

Being an active and responsible partner so that we together with our stakeholders can achieve a circular economy, operating within our planet's planetary boundaries.

Contribute to an inclusive society

Create a positive social impact for everyone across the BEWI value chain.



JACKODUR® EVO 300

Standard SF



- High Performance Insulation with excellent insulating properties
 $\lambda_D = 0.032 \text{ W/(m·K)}$
- Boards with 15 mm shiplap allround for insulating perimeters, flat roofs, beneath screed, etc.
- Smooth, extrusion-compressed surface
- Compressive strength 300 kPa
- Format 1265 x 615 mm, covering area 1250 x 600 mm = 0.75 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4524428	40 25345 15711 6	40	10	12	7,50
4524808	40 25345 15901 1	50	8	12	6,00
4524809	40 25345 15902 8	60	7	12	5,25
4524810	40 25345 15903 5	80	5	12	3,75
4524811	40 25345 15904 2	100	4	12	3,00
4524812	40 25345 15905 9	120	3	14	2,25
4524813	40 25345 15906 6	140	3	12	2,25
4524814*	40 25345 15907 3	160	3	10	2,25
4523583*	40 25345 15455 9	180	2	14	1,50
4523374*	40 25345 15372 9	200	2	12	1,50
4524429*	40 25345 15712 3	220	2	12	1,50
4524815*	40 25345 15908 0	240	2	10	1,50
4524816*	40 25345 15909 7	260	2	10	1,50
4524817*	40 25345 15910 3	280	2	10	1,50
4524818*	40 25345 15911 0	300	1	18	0,75
4524430*	40 25345 15713 0	320	1	16	0,75
4524819*	40 25345 15912 7	340	1	16	0,75
4524820*	40 25345 15913 4	360	1	14	0,75
4524821*	40 25345 15914 1	380	1	14	0,75
4523721*	40 25345 15511 2	400	1	12	0,75

* on request



JACKODUR® Plus 300 Standard SF

λ_D 0,027 W/(m·K)

- High-performance insulation with superb insulating properties
 $\lambda_D = 0.027$ W/(m·K)
- Boards with 15 mm shiplap all around for insulating perimeters, flat roofs, beneath screed, etc.

- Smooth, extrusion-compressed surface
- Compressive strength 300 kPa
- Format 1265 x 615 mm, covering area 1250 x 600 mm = 0.75 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4508142*	40 25345 07005 7	50	8	12	6,00
4508143*	40 25345 07006 4	60	7	12	5,25
4508144*	40 25345 07007 1	80	5	12	3,75
4508145	40 25345 07008 8	100	4	12	3,00
4508300	40 25345 07120 7	120	3	14	2,25
4508301	40 25345 07121 4	140	3	12	2,25
4508302	40 25345 07122 1	160	3	10	2,25
4508303	40 25345 07123 8	180	2	14	1,50
4508304	40 25345 07124 5	200	2	12	1,50
4509133*	40 25345 07745 2	220	2	12	1,50
4509134*	40 25345 07746 9	240	2	10	1,50
4516243*	40 25345 11899 5	260	2	10	1,50
4516244*	40 25345 11900 8	280	2	10	1,50
4516239*	40 25345 11894 0	300	1	18	0,75
4516238*	40 25345 11895 7	320	1	16	0,75
4525041*	40 25345 16005 5	340 NEW	1	16	0,75
4525043*	40 25345 16006 2	360 NEW	1	14	0,75
4525045*	40 25345 16007 9	380 NEW	1	14	0,75
4523178*	40 25345 15314 9	400 NEW	1	12	0,75

* on request

JACKODUR® Plus 300 Gefiniert GL

λ_D 0,027 W/(m·K)

- High-performance insulation with superb insulating properties
 $\lambda_D = 0.027$ W/(m·K)
- Textured surface for improved adhesion when used under render or in cold stores and as expendable shuttering
- Boards with smooth edges (GL)

- For use as render base, plinth insulation, concealed formwork for concrete application, and thermal bridge insulation
- Tensile strength perpendicular to board plane: 200 kPa
- Compressive strength 300 kPa
- Format 1250 x 600 mm

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4510539*	40 25345 08669 0	50	8	12	6,00
4510540*	40 25345 08670 6	60	7	12	5,25
4510541	40 25345 08671 3	80	5	12	3,75
4510542*	40 25345 08672 0	100	4	12	3,00
4510543	40 25345 08673 7	120	3	14	2,25
4510544*	40 25345 08674 4	140	3	12	2,25
4510545*	40 25345 08675 1	160	3	10	2,25
4510546*	40 25345 08676 8	180	2	14	1,50
4510547*	40 25345 08677 5	200	2	12	1,50

* on request

JACKODUR® KF 300 Standard SF



- Boards with 15 mm shiplap all around
- For insulating perimeters, flat roofs, beneath screed, etc.

- Smooth, extrusion-compressed surface
- Compressive strength 300 kPa
- Format 1265 x 615 mm, covering area 1250 x 600 mm = 0.75 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4500650	40 25345 00650 6	30	14	12	10,50
4500652	40 25345 00652 0	40	10	12	7,50
4500654	40 25345 00654 4	50	8	12	6,00
4500656	40 25345 00656 8	60	7	12	5,25
4501136	40 25345 01136 4	80	5	12	3,75
4502549	40 25345 02549 1	100	4	12	3,00
4502550	40 25345 02550 7	120	3	14	2,25
4502551	40 25345 02551 4	140	3	12	2,25
4504072	40 25345 04072 2	160	3	10	2,25
4502553	40 25345 02553 8	180	2	14	1,50
4502554	40 25345 02554 5	200	2	12	1,50
4502968	40 25345 02968 0	220	2	12	1,50
4502969	40 25345 02969 7	240	2	10	1,50
4516240	40 25345 11896 4	260	2	10	1,50
4516247*	40 25345 11903 9	280	2	10	1,50
4516232*	40 25345 11888 9	300	1	18	0,75
4516233*	40 25345 11889 6	320	1	16	0,75

* on request

JACKODUR® KF 300 Standard GL



- Extrusion-compressed surface for floors, screed, multi-layer core insulation, etc.
- Format 1250 x 600 mm

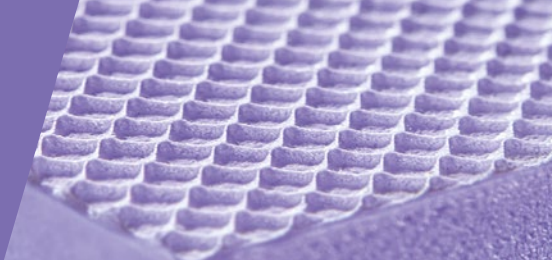
- Compressive strength 300 kPa
- Boards with square edges

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4500640 ¹ *	40 25345 00640 7	20	20	12	15,00
4500642*	40 25345 00642 1	30	14	12	10,50
4500644*	40 25345 00644 5	40	10	12	7,50
4500646*	40 25345 00646 9	50	8	12	6,00
4500648*	40 25345 00648 3	60	7	12	5,25
4501199*	40 25345 01199 9	80	5	12	3,75
4502568*	40 25345 02568 2	100	4	12	3,00
4502569*	40 25345 02569 9	120	3	14	2,25
4502570*	40 25345 02570 5	140	3	12	2,25
4504074*	40 25345 04074 6	160	3	10	2,25
4502572*	40 25345 02572 9	180	2	14	1,50
4503007*	40 25345 03007 5	200	2	12	1,50
4503008*	40 25345 03008 2	220	2	12	1,50
4503009*	40 25345 03009 9	240	2	10	1,50

* on request

¹* compressive strength 200 kPa

JACKODUR® KF 300 Gefiniert GL



- Textured surface for improved adhesion when used under render or in cold stores and as expendable shuttering
- For use as render base, plinth insulation, concealed formwork for initial concrete application, and thermal bridge insulation

- Boards with square edges
- Tensile strength perpendicular to board plane: 200 kPa
- Compressive strength 300 kPa
- Format 1250 x 600 mm

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4500622 ^{1*}	40 25345 00622 3	20	20	12	15,00
4500624	40 25345 00624 7	30	14	12	10,50
4500626	40 25345 00626 1	40	10	12	7,50
4500628	40 25345 00628 5	50	8	12	6,00
4500630	40 25345 00630 8	60	7	12	5,25
4501137	40 25345 01137 1	80	5	12	3,75
4502556	40 25345 02556 9	100	4	12	3,00
4502557	40 25345 02557 6	120	3	14	2,25
4502558	40 25345 02558 3	140	3	12	2,25
4504073	40 25345 04073 9	160	3	10	2,25
4502560	40 25345 02560 6	180	2	14	1,50
4502561	40 25345 02561 3	200	2	12	1,50
4503014 [*]	40 25345 03014 3	220	2	12	1,50
4503015 [*]	40 25345 03015 0	240	2	10	1,50
4516433 [*]	40 25345 11960 2	260	2	10	1,50
4516434 [*]	40 25345 11961 9	280	2	10	1,50
4516435 [*]	40 25345 11962 6	300	1	18	0,75
4516436 [*]	40 25345 11963 3	320	1	16	0,75

* on request

^{1*} compressive strength 200 kPa

JACKODUR® KF 300 Standard NF



- Tongue and groove joint for pitched roofs (on rafters)
- Extrusion-compressed surface

- Compressive strength 300 kPa
- Covering area 2500 x 600 mm = 1.5 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4501579	40 25345 01579 9	40	10	12	15,00
4501580	40 25345 01580 5	50	8	12	12,00
4501581	40 25345 01581 2	60	7	12	10,50
4502231	40 25345 02231 5	80	5	12	7,50
4507458 [*]	40 25345 06545 9	100	4	12	6,00
4507459 [*]	40 25345 06546 6	120	3	14	4,50
4515842 [*]	40 25345 11683 0	140	3	12	4,50

* on request

JACKODUR® KF 500 Standard SF



Boards with 15 mm shiplap all around for heavy-duty applications when insulating perimeters, flat roofs, parking decks, beneath industrial floors, etc.

Smooth, extrusion-compressed surface
Compressive strength 500 kPa
Format 1265 x 615 mm, covering area 1250 x 600 mm = 0.75 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4502772*	40 25345 02772 3	40	10	12	7,50
4502773*	40 25345 02773 0	50	8	12	6,00
4502774*	40 25345 02774 7	60	7	12	5,25
4502775	40 25345 02775 4	80	5	12	3,75
4502946	40 25345 02946 8	100	4	12	3,00
4502947	40 25345 02947 5	120	3	14	2,25
4502948	40 25345 02948 2	140	3	12	2,25
4504076	40 25345 04076 0	160	3	10	2,25
4502979*	40 25345 02979 6	180	2	14	1,50
4502980	40 25345 02980 2	200	2	12	1,50
4502981*	40 25345 02981 9	220	2	12	1,50
4502982*	40 25345 02982 6	240	2	10	1,50
4516241*	40 25345 11897 1	260	2	10	1,50
4516246*	40 25345 11902 2	280	2	10	1,50
4516235*	40 25345 11891 9	300	1	18	0,75
4516234*	40 25345 11890 2	320	1	16	0,75

* on request

JACKODUR® KF 700 Standard SF



Boards with 15 mm shiplap all around for extremely heavy-duty applications when insulating perimeters, flat roofs, parking decks, beneath industrial floors, etc.

Smooth, extrusion-compressed surface
Compressive strength 700 kPa
Format 1265 x 615 mm, covering area 1250 x 600 mm = 0.75 m²

Art. no.	EAN code	Thickness mm	Boards per pack	Packs per pallet	m ² /pack
4504060*	40 25345 04060 9	50	8	12	6,00
4504061*	40 25345 04061 6	60	7	12	5,25
4502987*	40 25345 02987 1	80	5	12	3,75
4502988	40 25345 02988 8	100	4	12	3,00
4502989	40 25345 02989 5	120	3	14	2,25
4502990*	40 25345 02990 1	140	3	12	2,25
4502991*	40 25345 02991 8	160	3	10	2,25
4502992*	40 25345 02992 5	180	2	14	1,50
4502993*	40 25345 02993 2	200	2	12	1,50
4502994*	40 25345 02994 9	220	2	12	1,50
4502995*	40 25345 02995 6	240	2	10	1,50
4516242*	40 25345 11898 8	260	2	10	1,50
4516245*	40 25345 11901 5	280	2	10	1,50
4516236*	40 25345 11892 6	300	1	18	0,75
4516237*	40 25345 11893 3	320	1	16	0,75

* on request

JACKODUR®

365 days per year winter



The challenge:

- Roof insulation of the Nordic Center Ski Hall in Oberstdorf 2,200 m² area
- Extreme compressive strength and durability of the roof structure, suitable for use as a ski slope

The solution with JACKODUR®:

- Inverted roof insulation with JACKODUR® KF 700 for loads of up to 25 tonnes per square metre
- 220 mm insulation material thickness laid in a single layer
- Intensive green roof



JACKODUR® EVO

Rendering edging strips

NEW: $\lambda_D = 0,032 \text{ W/(m·K)}$

- Edge closure for window and door openings in cavity wall
- Improved insulation properties with $\lambda_D = 0,032 \text{ W/(m·K)}$

- Render can be applied directly to the »gefinierte« textured surface
- Width (textured side) corresponds to distance between wall and facing bricks

Product change with better insulation value!

Art. no.	EAN code	Thickness mm	Height mm	Length mm	Pcs./pallet	m/pallet
4524996*	40 25345 15973 8	60	100	1250	420	525,00
4524997*	40 25345 15974 5	60	120	1250	350	437,50
4524998*	40 25345 15975 2	80	100	1250	300	375,00
4524999*	40 25345 15976 9	80	120	1250	250	312,50
4525001	40 25345 15978 3	80	140	1250	200	250,00
4525000*	40 25345 15977 6	80	150	1250	200	250,00
4525002	40 25345 15979 0	80	160	1250	150	187,50
4525003	40 25345 15980 6	80	180	1250	150	187,50
4525004*	40 25345 15981 3	80	200	1250	150	187,50
4525005*	40 25345 15982 0	100	100	1250	240	300,00
4525006*	40 25345 15983 7	100	120	1250	200	250,00
4525007*	40 25345 15984 4	100	140	1250	160	200,00
4525008*	40 25345 15985 1	100	160	1250	120	150,00
4525009*	40 25345 15986 8	100	180	1250	120	150,00
4525010*	40 25345 15987 5	100	200	1250	120	150,00
4525011*	40 25345 15988 2	120	160	1250	90	112,50
4525012*	40 25345 15989 9	120	180	1250	90	112,50
4525013*	40 25345 15990 5	120	200	1250	90	112,50

* on request

Minimum order: 1 pallet = 10 packages



JACKODUR® Plus

Rendering

edging strips

λ_D 0,027 W/(m·K)

- Edge closure made of high-performance insulation material with outstanding insulation properties $\lambda_D = 0.027 \text{ W/(m·K)}$
- For window and door openings in cavity walls or in gable applications

- Render can be applied directly to the »gefinierte« textured surface
- Width (textured side) corresponds to distance between wall and facing bricks

Art. no.	EAN code	Thickness mm	Height mm	Length mm	Pcs./pallet	m/pallet
4518324*	40 25345 13045 4	80	140	1250	200	250,0
4518621*	40 25345 13191 8	80	160	1250	150	187,5
4517286*	40 25345 12412 5	80	180	1250	150	187,5
4518608*	40 25345 13188 8	100	100	1250	240	300,0
4519572*	40 25345 13715 6	100	120	1250	200	250,0
4516019*	40 25345 11747 9	100	140	1250	160	200,0
4518790*	40 25345 13289 2	100	150	1250	160	200,0
4518591*	40 25345 13181 9	100	160	1250	120	150,0
4519573*	40 25345 13716 3	120	120	1250	150	187,5

* on request

Minimum order: 1 pallet = 10 packages

JACKODUR®

Insulation shuttering

JDS

- Floor edge formwork, thermal insulation and render base combined into one product
- Element made entirely of high quality XPS
- Simple tongue and groove installation

- Additional fastening or back support required for heights of 200 mm or more
- No need to remove the formwork
- Total base width for 35 mm thickness = 70 mm and for 50 and 60 mm thickness = 100 mm
- Available with company imprint on request

Art. no.	EAN code	Thickness mm	Height mm	Length mm	Pcs./pallet	m/pallet
4500022*	40 25345 00022 1	35	160	1250	160	200
4500115*	40 25345 00115 0	35	180	1250	160	200
4500474*	40 25345 00474 8	35	200	1250	128	160
4500101*	40 25345 00101 3	35	220	1250	128	160
4500023*	40 25345 00023 8	35	250	1250	128	160
4500099*	40 25345 00099 3	50	160	1250	160	200
4500021*	40 25345 00021 4	50	180	1250	160	200
4500114*	40 25345 00114 3	50	200	1250	128	160
4500007*	40 25345 00007 8	50	220	1250	128	160
4500100*	40 25345 00100 6	50	250	1250	128	160
4502330*	40 25345 02330 5	60	160	1250	120	150
4502115*	40 25345 02115 8	60	180	1250	128	160
4502116*	40 25345 02116 5	60	200	1250	96	120
4502331*	40 25345 02331 2	60	220	1250	96	120
4502332*	40 25345 02332 9	60	250	1250	96	120

* on request

Minimum purchase 1 pallet

JACKODUR® Angle fillet



■ Insulation angle fillet for flat roofs

■ Chamfered corners in accordance with DIN 18195

■ Improved sealing sheet joining technology

Art. no.	EAN code	Thickness mm	Length mm	Pcs./ pack	m/pack
4504085*	40 25345 04085 2	50/50	1250	60	75,00
4504086*	40 25345 04086 9	60/60	1250	40	50,00
4504087*	40 25345 04087 6	80/80	1250	25	31,25

* on request

JACKODUR® Cavity tray insulation



■ Special sloped insulation to carry membranes for cavity trays

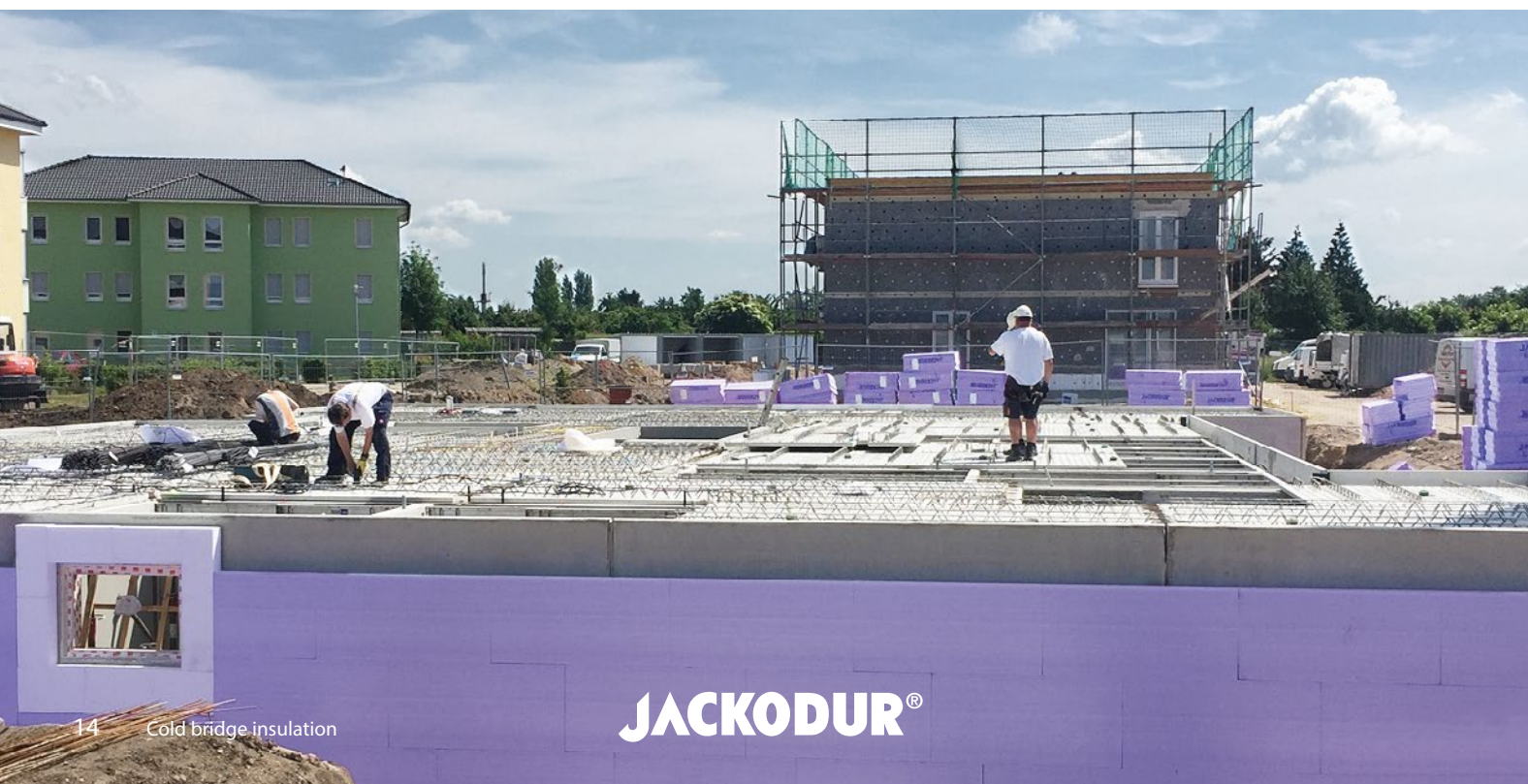
■ Moisture is drained automatically through the fall (DIN 1053)

■ Tongue and groove connection for a cold bridge free insulating

Art. no.	EAN code	Thickness mm	Height mm	Length mm	Pcs./ pack	m/pack
4504081*	40 25345 04081 4	80	250/350	1250	10	12,50
4504082*	40 25345 04082 1	100	250/350	1250	8	10,00
4504083*	40 25345 04083 8	120	250/350	1250	6	7,50
4504084*	40 25345 04084 5	140	250/350	1250	6	7,50
4508475*	40 25345 07244 0	160	250/350	1250	6	7,50
4510256*	40 25345 08472 6	180	250/350	1250	6	7,50
4512281*	40 25345 09803 7	200	250/350	1250	4	5,00

* on request

Minimum order 1 pack



JACKODUR®

JACKODUR® Atlas

Floor slab insulation of a 1000 m² day care center



The challenge:

- Insulating the floor slab of a day care center with 1000 m² floor area and 43 corners
- Low energy standard

The solution with JACKODUR®:

- Application of the JACKODUR® Atlas floor slab insulation system
- Installed as edge system with edge elements prefabricated in the factory to exact dimensions
- 100 mm insulation thickness under the floor slab





JACKODUR® Perimeter adhesive foam

- Solvent-free single-component polyurethane adhesive
- Secure bonding of JACKODUR® thermal insulation
- Seals joints and recesses in the insulating layer without leaving thermal bridges
- Thermal conductivity 0.037 W/(m·K)
- Processing temperature: from +35C to -5C
- Supplied with adapter hose
- Excellent adhesion on many substrates
- 1 tube gives 14 m²



Art. no.	EAN code	Volume ml	Piece
4514799	40 25345 11065 4	750	1

Minimum order: 1 piece
12 piece/box, 52 boxes/palette

JACKODUR® Assembly adhesive

- Solvent-free PU-based adhesive
- Very high ultimate strength
- For gluing JACKODUR® and JACKOBOARD®
- Very fast curing
- 1 tube gives 10 linear metres



Art. no.	EAN code	Volume ml	Pcs./box
4510610	40 25345 08725 3	310	12

Minimum order: 12 pieces / 1 box

JACKODUR® Filter layer WA

- Water-flow reducing layer for inverted roofs
- Waterproof but water vapour permeable
- Fabric weight appr. 100 g/m²
- Fire resistance Euroclass E
- UV stable



Art. no.	EAN code	Length m	Width m	m ² /roll
4520144	40 25345 13979 2	25	3	75
4501712	40 25345 01712 0	100	3	300

Available only in combination with JACKODUR® thermal insulation

JACKODUR®

Advanced thermal insulation and climate protection for commercial buildings



The challenge:

- Roof insulation for office tower with 16,800 m² area and residential complex with 77 residential units on 7 floors
- Compliance with the climate standard prescribed by the city of Mannheim and energy consumption limitation

The solution with JACKODUR®:

- Design of the roof structure as an inverted roof with the high-performance insulation material JACKODUR® Plus 300
- Insulation of 2,500 m² roof area with an insulation material thickness of 200 mm in single-layer installation
- Gravel layer with concrete slab covering protects against UV radiation and wind suction



JACKODUR®

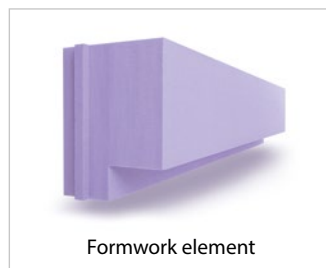
JACKODUR® Atlas Insulation system for floor slabs



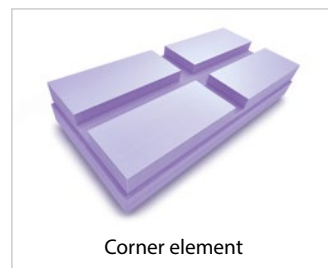
Surface element



Side element



Formwork element



Corner element

JACKODUR® Atlas the insulation system for floor slabs.

- Highly efficient thermal insulation: lowers heating costs
- Thermal bridge-free insulation
- Combined formwork and insulation in one: saves time and money
- Easy to install: systematically eliminates installation errors
- Meets the energy requirements up to the passive house standard.



Formwork element

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

Surface element

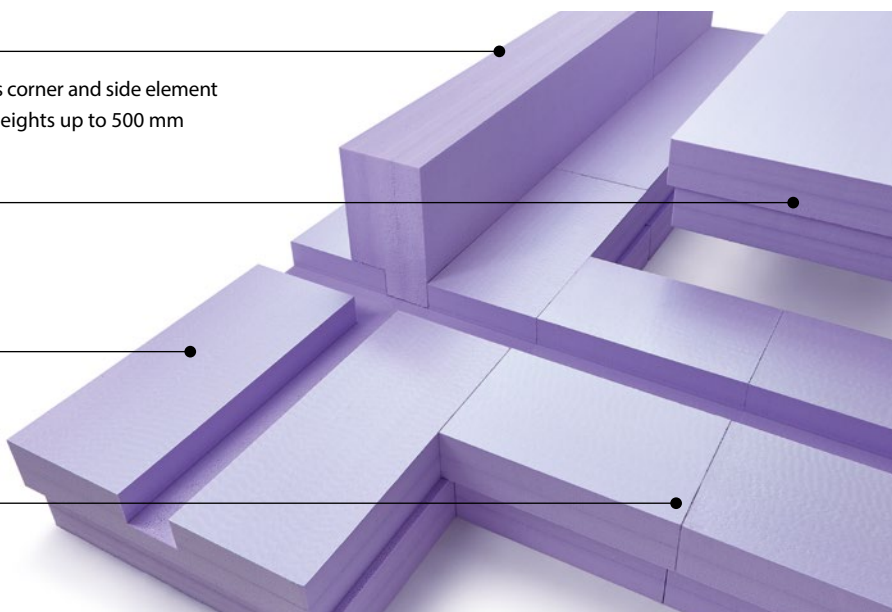
- Surface element for Atlas
- Insulation thicknesses from 100 – 320 mm

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



JACKODUR® Atlas price enquiry

We need the following information to compile your quote:

We need a layout plan of the floor plate when you will order the JACKODUR® Atlas system.
Please contact us if you require further details or customized solutions.

To the online form
www.jackon-insulation.com



Thickness of formwork element (mm)

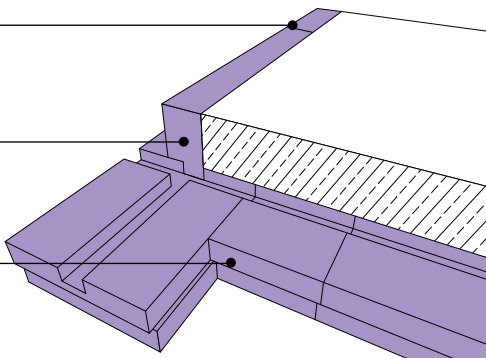
(Thickness of side insulation)

Height of formwork element (mm)

(Thickness of floor plate)

Thickness of surface element (mm)

(Insulation thickness beneath floor plate)



Floor plate area (m²)

(external floor plate dimensions, excluding insulation)

Floor plate circumference (m)

(external floor plate dimensions, excluding insulation)

Number of 90° corners (piece)

JACKODUR® Technical data

Extruded polystyrene foam (XPS) according to EN 13164

Properties	Symbol	Declaration/ Unit	Standard	Thickness mm
Density		kg/m ³	EN 1602	
Thermal conductivity	λ_b	W/(m·K)	EN 13164	20
				30
				40
				50
				60
				80
				100
				120
				140
				160
				180
				200
				220
				240
				260
				280
				300
				320
				340
				360
				380
				400
Thickness tolerance	Ti	Class	EN 823	
Dimensional stability at 70°C and 90% relative humidity	DS(70/90)	%	EN 1604	
Compressive stress at 10% deformation or compressive	CS(10\Y)i	Level i kPa ³	EN 826	
Reaction to fire	-	Class	EN 13501-1	
Deformation under 40 kPa load and 70°C	DLT(2)5	%	EN 1605	
Tensile strength	TRi	Level i kPa ³	EN 1607	
Compressive creep (50 years, deformation < 2%)	CC(2/1,5/50) σ_c	σ_c kPa ³	EN 1606	
Long term water absorption by total immersion	WL(T)i	Level i %	EN 12087	
Long term water absorption by diffusion ¹	WD(V)i	Class	EN 12088	
Freeze-thaw resistance	FTCDi	Class	EN 12091	
Water vapour diffusion resistance factor ¹	μ	-	EN 12086	
Coefficient of linear thermal expansion	-	mm/(m·K)	-	
Maximum working temperature	-	°C	-	
Surface	-	-	-	
Possible edge profiles	-	-	-	

¹ depending on thickness

² at thickness 20 mm: 200 kPa

³ 100 kPa = 100 kN/m² = 0.10 N/mm²



JACKODUR® thermal insulation:

■ Free of HBCD flame retardants, chlorofluorocarbons (CFCs) and propellants containing HCFCs.

Stand 01/2023

NEW	EVO 300 Standard		Plus 300 Standard		Plus 300 Gefiniert		KF 300 Standard		KF 300 Gefiniert		KF 500 Standard		KF 700 Standard	
	λ _D	R _D	λ _D	R _D	λ _D	R _D	λ _D	R _D	λ _D	R _D	λ _D	R _D	λ _D	R _D
	> 30		> 33		> 33		> 30		> 30		> 35		> 38	
	-	-	-	-	-	-	0,034	0,55	0,034	0,55	-	-	-	-
	-	-	-	-	-	-	0,034	0,85	0,034	0,85	-	-	-	-
	0,032	1,25	-	-	-	-	0,034	1,15	0,034	1,15	0,034	1,15	-	-
	0,032	1,55	0,027	1,85	0,027	1,85	0,034	1,45	0,034	1,45	0,034	1,45	0,034	1,45
	0,032	1,95	0,027	2,20	0,027	2,20	0,034	1,75	0,034	1,75	0,034	1,75	0,034	1,75
	0,032	2,50	0,027	2,95	0,027	2,95	0,035	2,25	0,035	2,25	0,035	2,25	0,035	2,25
	0,032	3,10	0,027	3,70	0,027	3,70	0,035	2,85	0,035	2,85	0,035	2,85	0,035	2,85
	0,032	3,75	0,027	4,40	0,027	4,40	0,035	3,40	0,035	3,40	0,035	3,40	0,035	3,40
	0,032	4,35	0,027	5,15	0,027	5,15	0,035	4,00	0,035	4,00	0,035	4,00	0,035	4,00
	0,032	5,00	0,027	5,90	0,027	5,90	0,035	4,55	0,035	4,55	0,035	4,55	0,035	4,55
	0,032	5,60	0,027	6,65	0,027	6,65	0,035	5,10	0,035	5,10	0,035	5,10	0,035	5,10
	0,032	6,25	0,027	7,40	0,027	7,40	0,036	5,55	0,036	5,55	0,035	5,70	0,035	5,70
	0,032	6,85	0,027	8,10	-	-	0,036	6,10	0,036	6,10	0,035	6,25	0,035	6,25
	0,032	7,50	0,027	8,85	-	-	0,036	6,65	0,036	6,65	0,035	6,85	0,035	6,85
	0,032	8,10	0,027	9,60	-	-	0,036	7,20	0,036	7,20	0,035	7,40	0,035	7,40
	0,032	8,75	0,027	10,35	-	-	0,036	7,75	0,036	7,75	0,035	8,00	0,035	8,00
	0,032	9,35	0,027	11,10	-	-	0,036	8,30	0,036	8,30	0,035	8,55	0,035	8,55
	0,032	10,00	0,027	11,85	-	-	0,036	8,85	0,036	8,85	0,035	9,10	0,035	9,10
	0,032	10,60	0,027	12,55	-	-	-	-	-	-	-	-	-	-
	0,032	11,25	0,027	13,30	-	-	-	-	-	-	-	-	-	-
	0,032	11,85	0,027	14,05	-	-	-	-	-	-	-	-	-	-
	0,032	12,50	0,027	14,80	-	-	-	-	-	-	-	-	-	-
	T1		T1		T1		T1		T1		T1		T1	
	≤ 5		≤ 5		≤ 5		≤ 5		≤ 5		≤ 5		≤ 5	
	300		300		300		300 ²		300 ²		500		700	
	Euroclass E													
	≤ 5		≤ 5		≤ 5		≤ 5		≤ 5		≤ 5		≤ 5	
	-		-		200		-		200		-		-	
	-		-		-		130		-		180		250	
	0,7		0,7		-		0,7		-		0,7		0,7	
	WD(V) 3		WD(V)1-3		-		WD(V)1-3		-		WD(V)1-3		WD(V)1-3	
	FTCD1		FTCD1		-		FTCD1		-		FTCD1		FTCD1	
	250-80		250-80		250-80		250-80		250-80		250-80		250-80	
	0,07		0,07		0,07		0,07		0,07		0,07		0,07	
	+75 °C		+75 °C		+75 °C		+75 °C		+75 °C		+75 °C		+75 °C	
	skin		skin		structured		skin		structured		skin		skin	
	shiplap		shiplap		butt edge		butt edge, shiplap, tongue and groove		butt edge		shiplap		shiplap	

Important notes:

JACKODUR® products are suitable for continuous use at maximum temperatures of up to +75°C. On days with exposure to intense sunlight, care must be taken to ensure that the JACKODUR® products are not covered with dark layers (e.g. waterproofing elements, non-woven materials, mats). Any heat build-up can lead to deformation of the thermal insulation boards and therefore must be avoided.

JACKODUR® products cannot withstand continuous exposure to sunlight (UV radiation) and their surface must be protected from weathering.

Contact with volatile substances (e.g. Solvents) and solvent-containing adhesives must be avoided.

Because JACKODUR® products offer a wide range of application options, suppliers cannot always monitor them for proper compliance with processing instructions, handling and installation. As a result, JACKON Insulation GmbH is liable only for the data named here in accordance with licensing regulations.

JACKODUR®

Exhibition hall with rooftop parking



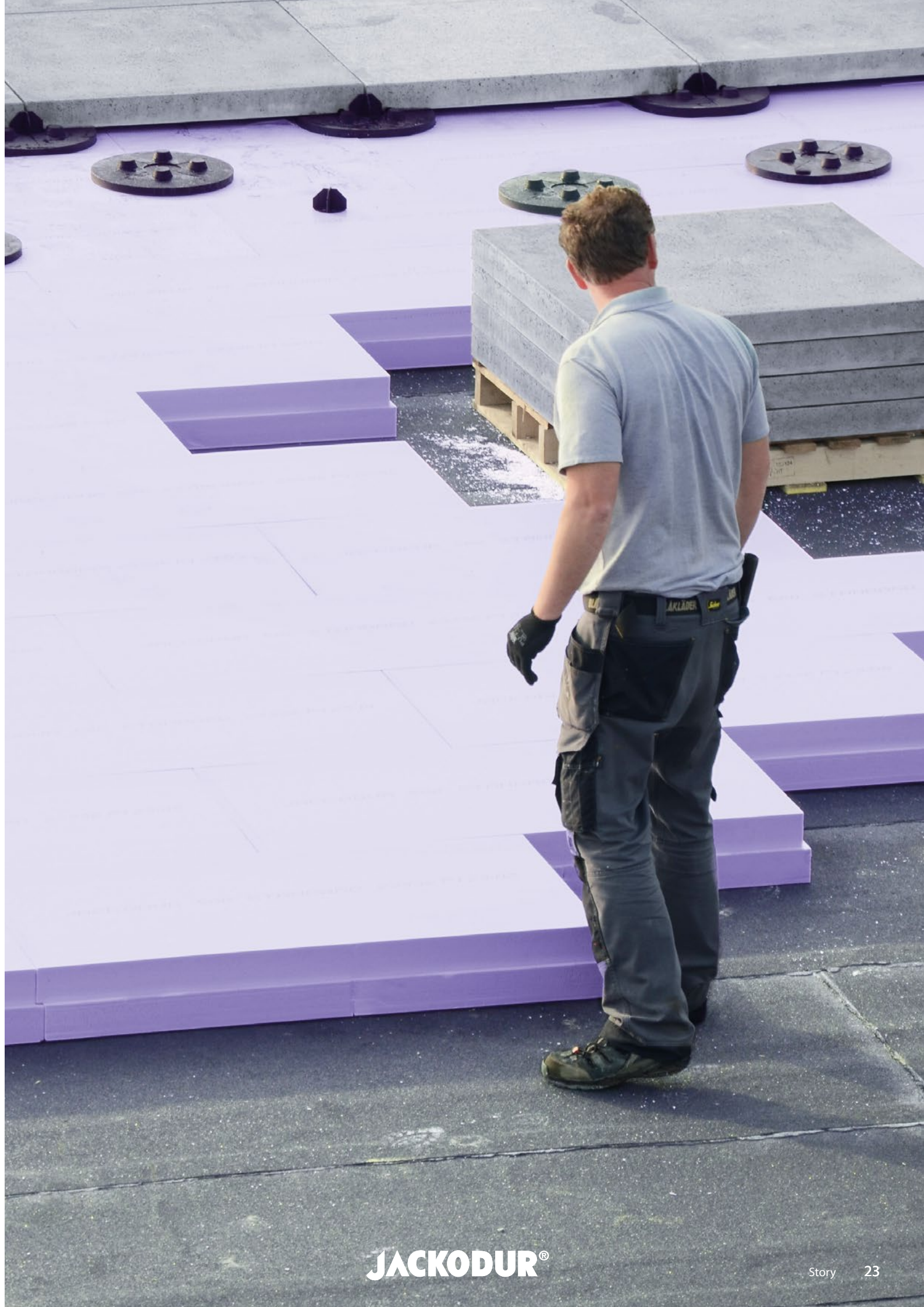
The challenge:

- Energy-efficient insulation of a flat roof for use as rooftop parking

The solution with JACKODUR®:

- Insulating with the high-performance and extremely load resistant JACKODUR® KF 700
- Long-lasting safety and protection of waterproofing through insulation





JACKON Insulation GmbH

Carl-Benz-Straße 8
D-33803 Steinhagen

T +49 (0) 5204 9955 - 0

F +49 (0) 5204 9955 - 400

E info@jackodur.com

W www.jackon-insulation.com

For customers from the UK and Ireland:

T +44 (0) 1204 221089

F +44 (0) 1942 253711

E sales@jackon.co.uk

W www.jackon.co.uk

Your dealer:



Reg.-Nr.067674

