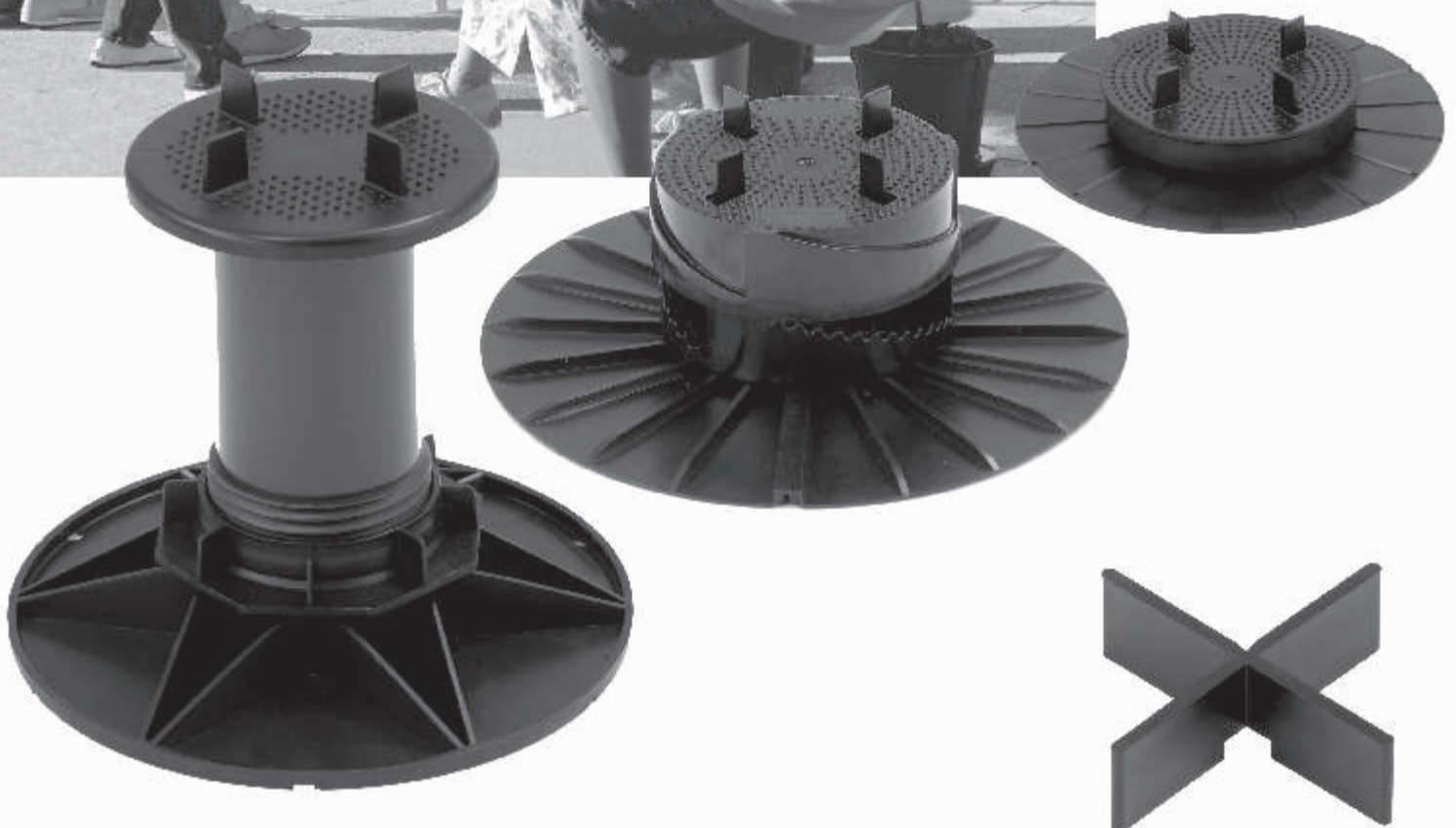


KALA®

*Ideas for
the roofs!*

► Solutions for your Patio



▶ The KALA Support System

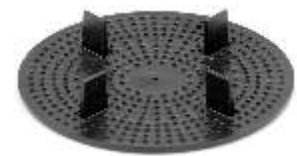
- ▶ **FAST** Simple and easy handling for fast laying
- ▶ **SAFE** Sliding support system - permanently safe patios for over 30 years
- ▶ **FLEXIBLE** On all sealing materials
For all types of covering
For all heights of surface

This support system solves all specifically building physics related problems. In connection with the pressure distribution disk the KALA support system forms a **sliding support system**. All forces, such as those that occur during temperature changes for example, are deflected on the pressure distribution disk and are not transferred to the sealing materials. This decoupling of the underfoot surface and the sealing material prevents damage to the sealing material in the long term.

The large pressure equalization disk with a diameter of 25mm and a support surface of 490 cm² even prevents impressions in plastic or slate coated bitumen roofing strips



The KALA support system underlayable – your professional choice: simply good.



Joint plate



Equalizer disk (can be split into quarters)



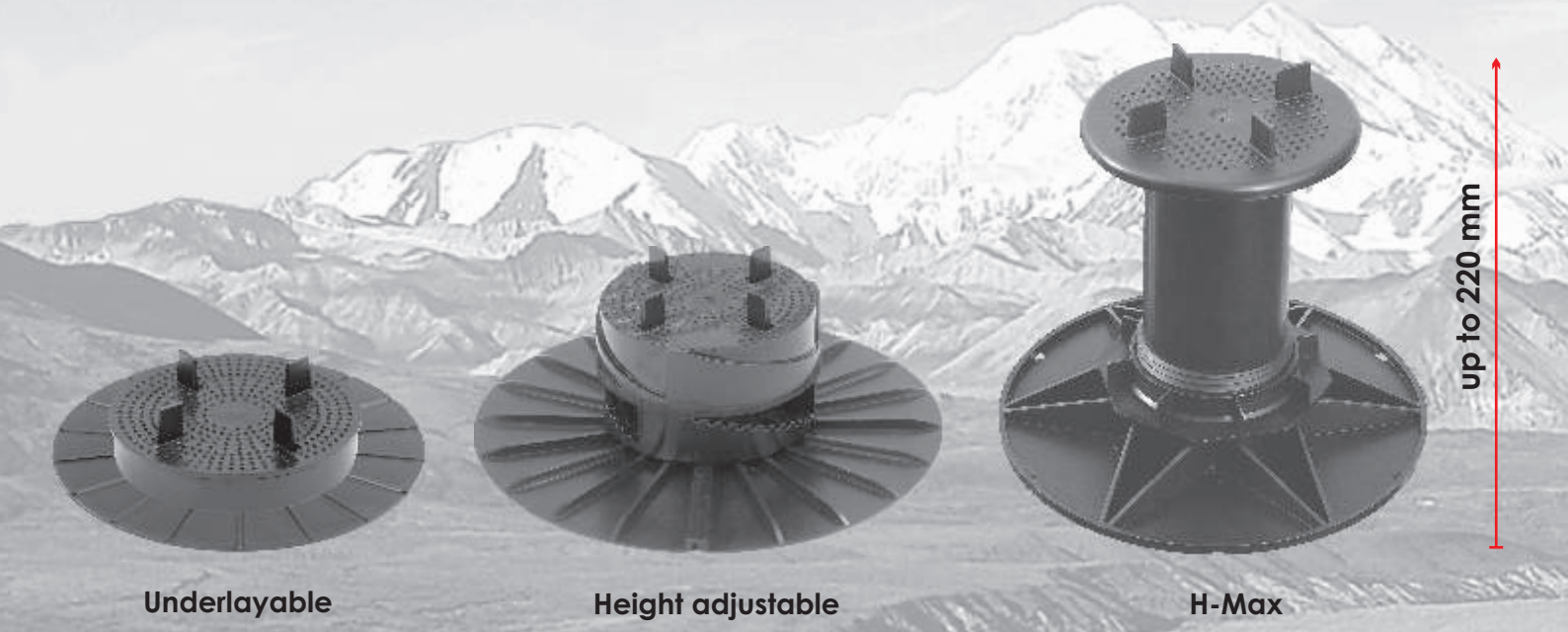
Equalizer Ring



Base element



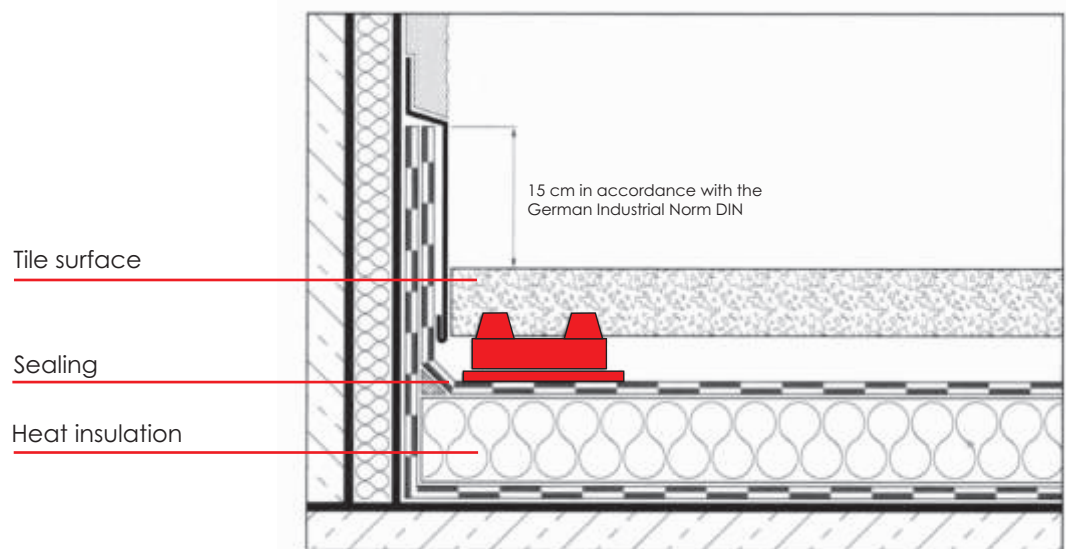
Large pressure disk



Underlayable

Height adjustable

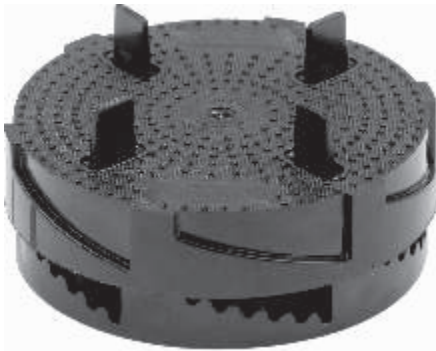
H-Max



The cross-section depicts heat insulation with KALA support system elements on the wall edge. By using the KALA support system you can lay the underfoot surface directly onto a warm roof or a cold sealant. The laying of a protective layer, as prescribed by professional regulations, can be omitted for non-commercial use. The prerequisite for this is the use of heat insulation with a volume weight of not less than 30 kg/cbm and sealing with plastic foils with a thickness of at least 2.4 mm or sealing with plastomer or elastomer strips in two layers (surface coated with ground slate).

► The **height-adjustable** KALA Patio Support System

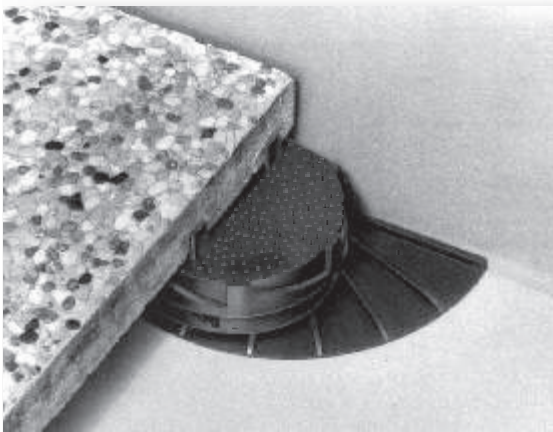
The solution for all patios, balconies, roof gardens and flat roofs. The height-adjustable KALA support system can be adjusted from 28-42 mm and 40-70 mm. The easy handling and the standardized height equalization with a single element makes fast and rationalized laying of flooring possible.



Type I height adjustment 28 - 42 mm



Type II height adjustment 40 - 70 mm



The joint elements are fitted with predetermined breaking points. When laying flooring along the edges of areas or at wall bonds the joint elements can be easily broken away.



KALA WOOD – the ingenious solution for the laying of wooden elements on your patio without joints. The positioning of the wooden frames on the support works simple and easy. Height-adjustable from 28-42 mm and from 40-70 mm. Benefit from a longer durability of your patio flooring as there is no corruptive humidity from below. Another advantage: by reason of the nubbed surface the wooden frame does not lie in direct contact with the support, no destructive water film between support and wood can develop.



Sliding Support System

Permanently safe

Fast Laying

Flexible planning

► If it has to be especially high: KALA H-MAX

The KALA H-MAX support system for "high demands"

- Heights from 65 mm - 220 mm can be laid in six variations
- Extremely high loading capacity
- Precise placement using safety ring in connection with solid, one-piece coated plate (diameter = 208 mm) with an integrated screw insert to ensure no tipping at greater heights
- Overturn protection on end of thread



Height adjustable 65 - 100 mm
Height adjustable 95 - 130 mm
Height adjustable 125 - 160 mm
Height adjustable 155 - 190 mm
Height adjustable 185 - 220 mm

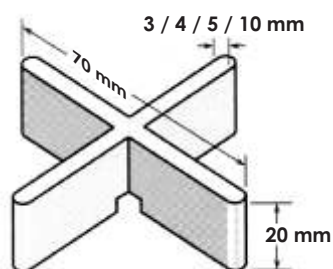
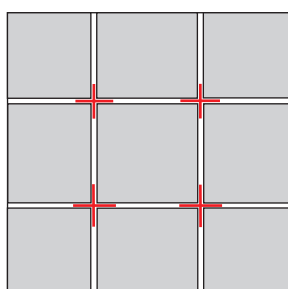
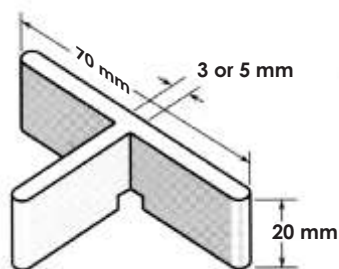
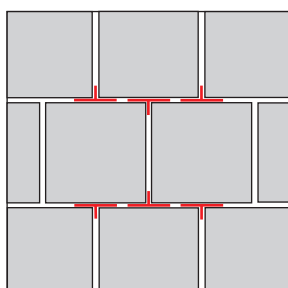
► KALA Tile spacers











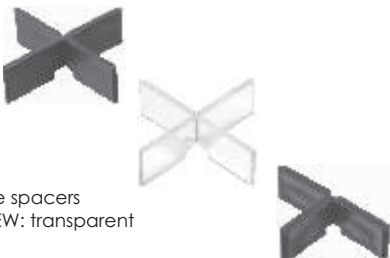
Simple, timesaving, long-term precision: with KALA tile spacers tiles can be laid cleanly and in correct alignment. This prevents cracking caused by frost.

Available for delivery in arm thicknesses 3 mm/ 5 mm / 10 mm. One arm can be easily broken off at the central joint. The gap at the crossover point of the X guarantees an exact fit when combined with all elements of the KALA support system.

By using the **three-armed tile spacers** you can lay flooring cleanly at a wall bond or edge. The three-armed crosses are also available in arm thicknesses 3 mm and 5 mm.

NEW: transparent tile spacers. The perfect look for the discerning customer. The first choice for high quality flooring.



Item	Item no.	Height in mm	Diameter in mm	Quantity per package
Complete support system, underlayable 	100093	21	Joint separators 3mm D 120	150
Support system underlayable, Joint plate only 	100130 100161	3	Joint separators 3mm Joint separators 4mm D 120	300
Support system underlayable, Base element only 	100178	18	D 120	300
Support system underlayable, Equalizer disk (can be split into quarters) 	100277	3	D 120	300
Support system underlayable, Equalizer ring 	100307	6	D 120	300
Support system Height adjustable, H 1 	100017 100031 100048	28 - 42	Joint separators 3 mm Joint separators 4 mm without joint separators D 120	100
Support system Height adjustable, H 2 	100055 100079 100086	40 - 70	Joint separators 3 mm Joint separators 4 mm without joint separators D 120	100
Large pressure disk, for underlayable and height adjustable support systems 	100215	7	D 250	100
Small pressure disk, for underlayable and height adjustable support systems 	100246	3	D 200	100
Support System H _{Max} 	100574 100591 100611 100637 100659	65-100 mm 95-130 mm 125-160 mm 155-190 mm 185-220 mm	Joint separators 3 mm Pressure disk Diameter 205 mm	25
Tile spacers NEW: transparent 	100338 100352 100345 100376 100369 100383 100390 100420 100451	four-armed ditto, transparent four-armed ditto, transparent four-armed ditto, transparent four-armed three-armed three-armed	Thickness 3 mm Thickness 3 mm Thickness 4 mm Thickness 4 mm Thickness 5 mm Thickness 5 mm Thickness 10 mm Thickness 3 mm Thickness 5 mm	300