

## KORE FLAT ROOF - Content

<https://www.kore-system.com/koreproduct/kore-flat-roof-insulation/>

### Overview:

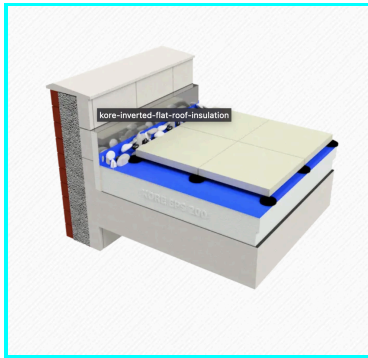
KORE Inverted Flat Roof is a high performance profiled insulation board (EPS200 & 300) that can be used in conjunction with a flat roof system

Available in a range of thicknesses with a very high compressive strength with low water absorption properties

Perfect for use on inverted flat roofs or zero-pitched untrafficked roofs, balconies, and terraced roofs subject to pedestrian access only, with a gravel ballast or paved finish on a suitably designed timber, concrete or metal structural deck and appropriate fully supported waterproofing system.

Ideal for use with a green roof finish

### Benefits (next 3D picture):



### Meet & Exceed Building Regulations

KORE Flat Roof can achieve a U-value of 0.19W/m<sup>2</sup>K with 160mm of KORE EPS200 White

### Completely Water Resistant

KORE Flat Roof manufactured with EPS offers low water absorption properties, protecting against freezing

### Suitable for a Wide Range of Flat Roof Applications

KORE Flat Roof can be used in a variety of applications including inverted flat roofs, standard flat roofs, warm flat roofs, tapered roofs, profiled sheet roofing and cut to fall tapered roof insulation

### Sustainable & Easy to Work With

KORE EPS is suitable for residential and commercial applications, offers a third-party verified EPD and is lightweight and quick and easy to install



### Technical Information (WE DON'T HAVE ANY DOCS FOR THIS YET - CAN THE SECTION BE ADDED TO LATER)

### Fully Certified

- Manufactured to IS EN 13163:2012+A2:2016 and in an ISO 9001:2015 QMS certified facility
- Full Declaration of Performance Certificates available
- Third-party Environmental Product Declaration certified by IGBC and EPD Ireland

## KORE Inverted Flat Roof Technical Information

KORE INVERTED FLAT ROOF		Physical Properties of KORE EPS Inverted Roof Boards	
Grade	EPS200	EPS300	
Reaction to fire	Class E	Class E	
Thermal conductivity	0.033	0.032	
Minimum compressive strength at 10% compression (kPa)	CS (10) 200	CS (10) 300	
Minimum bending strength	BS250	BS450	
Water vapour diffusion factor	40 to 100	40 to 100	
Long term water absorption by partial immersion	WL(P)i 0.2kg/m <sup>2</sup>	WL(P)i 0.1kg/m <sup>2</sup>	
Density	30	40	
Squareness	5mm difference between diagonals	5mm difference between diagonals	

KORE INVERTED FLAT ROOF		Dimensions of KORE EPS Inverted Flat Roof Boards	
Board Type	Type 1	Type 2	
Surface Length (mm)	Standard 1200mm (can be cut to other sizes up to 1800mm)	Standard 1200mm	<p><b>Board Type 1 – Shiplapped 2 sides</b></p> 
Surface Width (mm)	Standard 1200mm	Standard 1200mm	
Full Board Size ( L x W)	1200mm x 1220mm	1220mm x 1220mm	<p><b>Board Type 2 – Shiplapped 4 sides</b></p> 
Thicknesses (mm)	100, 150, 200, 250, 300 (other thicknesses available upon request)	100, 150, 200, 250, 300 (other thicknesses available upon request)	
Lap Joined Edge	20mm	20mm	