

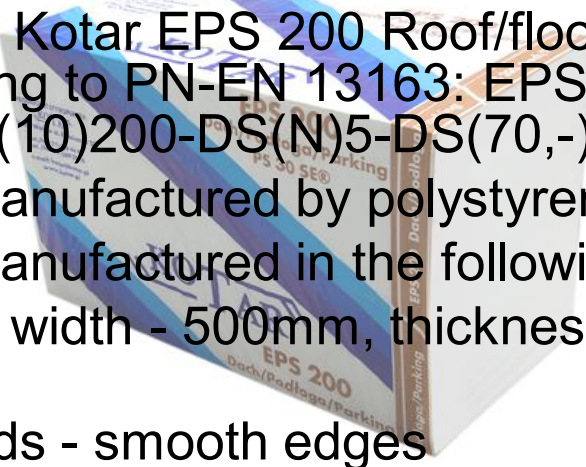
Styrofoam plates

Kotar EPS 200 Roof/floor/car park

Styrofoam plates Kotar EPS 200

Roof/floor/car park

Description

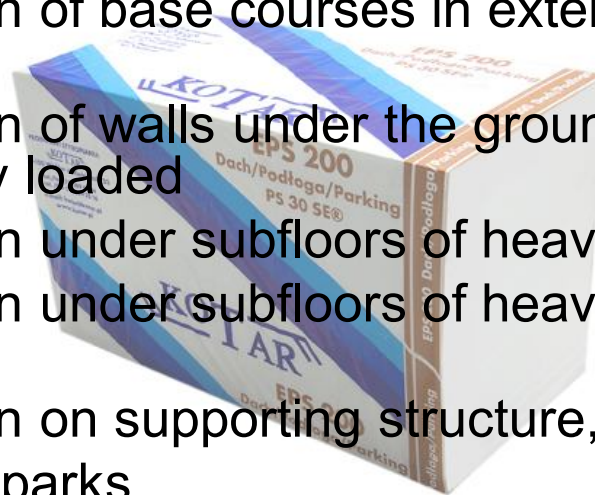
- 
- Styrofoam boards Kotar EPS 200 Roof/floor/car park are marked with code according to PN-EN 13163: EPS-EN 13163 T2-L2-W2-S2-P4-BS250-CS(10)200-DS(N)5-DS(70,-)2-DLT(2)5
 - The boards are manufactured by polystyrene foaming method
 - The boards are manufactured in the following standard dimensions:
 - Length -1000mm, width - 500mm, thickness - from 10 up to 200mm every 10mm
 - Finish of the boards - smooth edges

Styrofoam plates Kotar EPS 200

Roof/floor/car park

Application

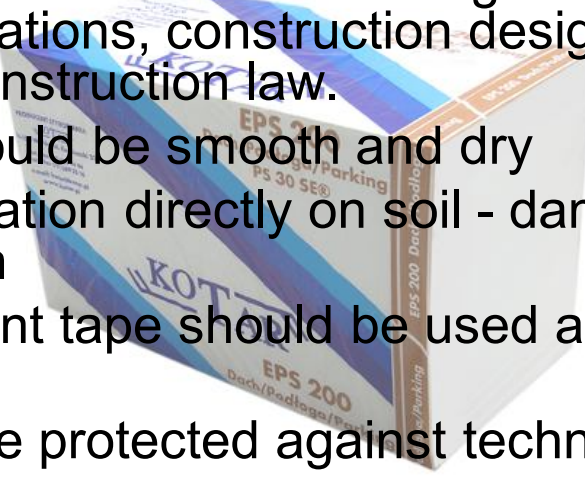
- Thermal insulation of base courses in external combined insulation systems
- Thermal insulation of walls under the ground level, with water insulation, heavily loaded
- Thermal insulation under subfloors of heavily loaded floors
- Thermal insulation under subfloors of heavily loaded floors placed on soil
- Thermal insulation on supporting structure, under roofing tiles
- Garages and car parks
- Approach roads
- Filled flat floors



Styrofoam plates Kotar EPS 200

Roof/floor/car park

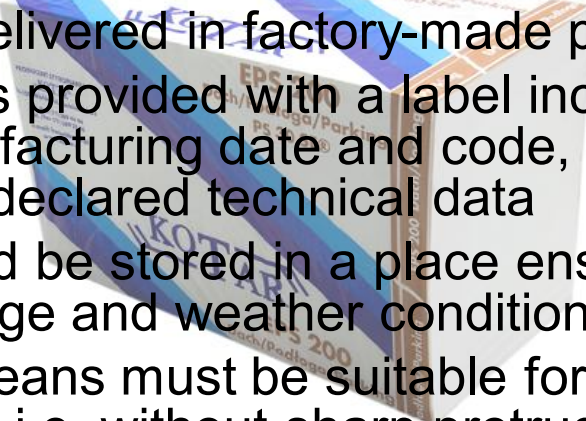
Execution

- 
- The boards should be used according to manufacturer's instructions and recommendations, construction design and currently binding regulations of construction law.
 - The subfloor should be smooth and dry
 - In case of application directly on soil - damp insulation should be used underneath
 - An expansion joint tape should be used at the junction of the ceiling and wall
 - Boards should be protected against technological moisture by means of PE foil.
 - During mounting the boards must tightly adjoin to each other so as to avoid heat leakage bridges.
 - The boards should not be used in direct contact with chemical substances adversely affecting the foamed polystyrene.

Styrofoam plates Kotar EPS 200

Roof/floor/car park

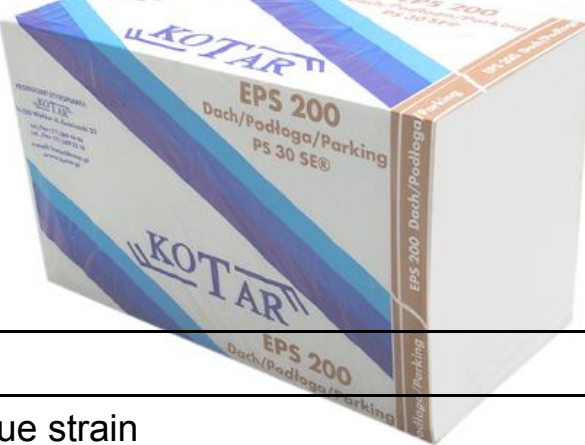
packing, storage, transport

- 
- The boards are delivered in factory-made packaging
 - Each packaging is provided with a label including: product description, manufacturing date and code, quality mark, address of production plant, declared technical data
 - The boards should be stored in a place ensuring protection against mechanical damage and weather conditions
 - Road transport means must be suitable for transportation of perishable goods, i.e. without sharp protruding elements, without damaged elements of loading space, with leak-proof, water-tight roofing.

Styrofoam plates Kotar EPS 200

Roof/floor/car park

Technical data

Properties	Declared class
Linear dimensions: <ul style="list-style-type: none"> ■ Length ■ Width ■ Thickness ■ Rectangularness ■ Flatness 	
	L2 ($\pm 2\text{mm}$) W2 ($\pm 2\text{mm}$) T2 ($\pm 2\text{mm}$) S2 ($\pm 2\text{mm}/1000\text{ mm}$) P4 ($\pm 5\text{mm}$)
Bending strength	BS250 ($\geq 250\text{ kPa}$)
Compressive strength at 10% true strain	CS(10)200 ($\geq 200\text{ kPa}$)
Dimensional stability in normal laboratory conditions	DS(N)5 ($\pm 0,5\%$)
Dimensional stability in specified conditions of temperature and moisture (temp. 70° C, 48h)	DS(70,-)2 ($\leq 2\%$)
Deformations at specified stresses and temperature (load: 40kPa, temperature: 70 \pm 1°C, time: 168 \pm 1h)	DLT(2)5 ($\leq 5\%$)
Declared thermal conductivity λ_D	0,034 W/(mK)
Fire reaction class	E

Styrofoam plates Kotar EPS 200

Roof/floor/car park

Technical data

Declared thermal resistance R_D for individual thicknesses

Thickness, mm	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Thermal resistance R_D (m ² K/W)	0,25	0,55	0,85	1,15	1,45	1,75	2,05	2,35	2,60	2,90	3,20	3,50	3,80	4,10	4,40


Packing of boards:

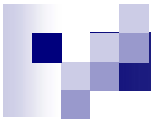
Thickness, mm	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Total number of plates in a package (pcs.)	60	30	20	15	12	10	8	7	6	6	5	5	4	4	4
Volume of package (m ³)	0,30	0,30	0,30	0,30	0,30	0,30	0,28	0,28	0,27	0,30	0,28	0,30	0,26	0,28	0,30
Surface (m ²)	30	15	10	7,50	6	5	4	3,50	3	3	2,50	2,50	2	2	2

Styrofoam plates Kotar EPS 200

Roof/floor/car park

Approvals

- 
- EC certificate: 28.05.10/10 11 494-1
 - Declaration of conformity: 6/2010 from 28.05.2010
 - Hygienic certificate: HK/B/1683/01/2009
 - Certificate of conformity: 28.05.10/2010 11 956-1
 - Technical approval DIBT – Germany: Z-23.15-1783



Kotar Sp.j. B. & S. Jaworscy
ul. Kościuszki 33
56-100 Wolów
www.kotar.pl, e-mail: kotar@kotar.pl
tel./fax +48/71 389 23 16 +48/71 389 44 94