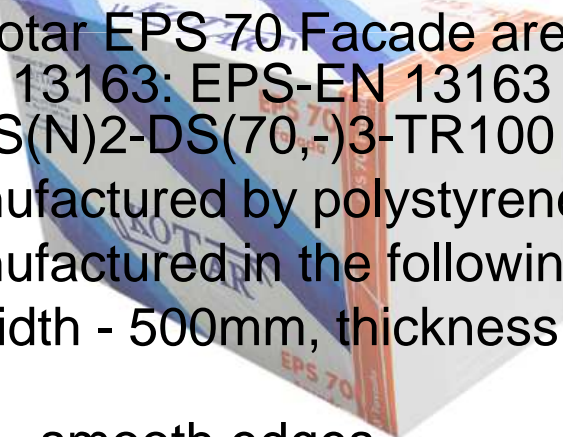


Styrofoam plates

Kotar EPS 70 Facade

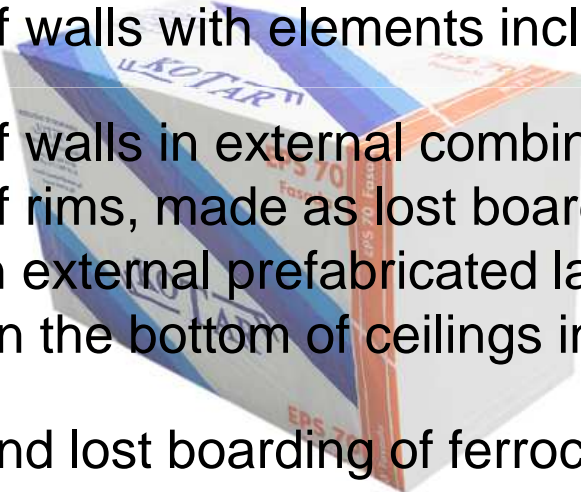
Styrofoam plates Kotar EPS 70 Facade

Description

- 
- Styrofoam boards Kotar EPS 70 Facade are marked with code according to PN-EN 13163: EPS-EN 13163 T2-L2-W2-S2-P4-BS115-CS(10)70-DS(N)2-DS(70,-)3-TR100
 - 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 70 Facade

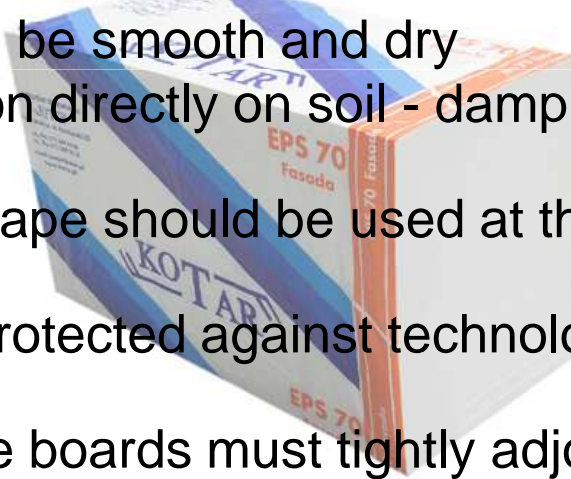
Application

- Thermal insulation of walls with elements including facing and ventilated cavity
 - Thermal insulation of walls in external combined insulating systems
 - Thermal insulation of rims, made as lost boarding under plaster
 - Thermal insulation in external prefabricated layered boards
 - Thermal insulation on the bottom of ceilings in internal combined insulating systems
 - Thermal insulation and lost boarding of ferroconcrete ceilings
 - Thermal insulation under load-bearing structures
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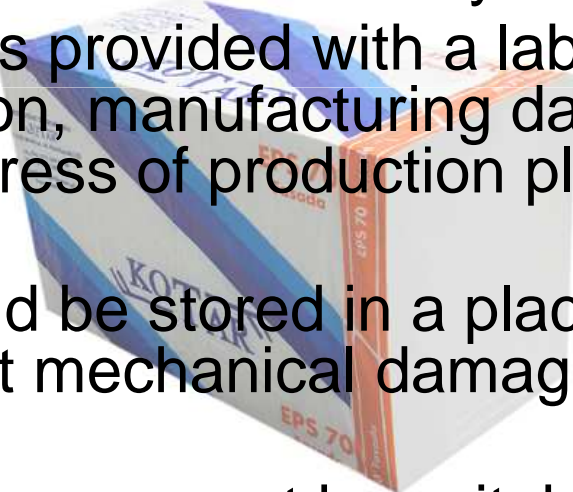
Styrofoam plates Kotar EPS 70 Facade

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.



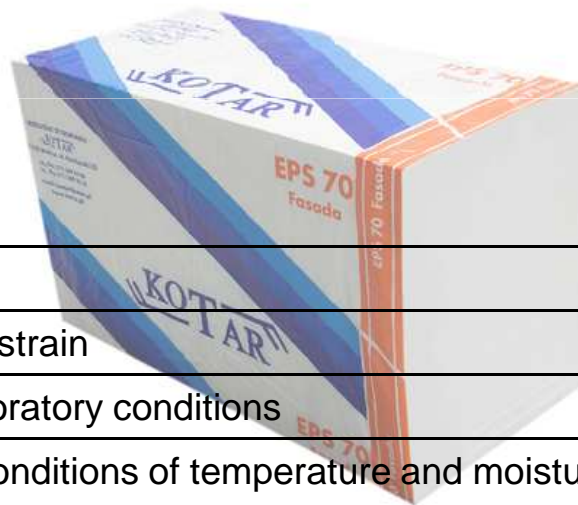
Styrofoam plates Kotar EPS 70 Facade ***packing, storage, transport***

- 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.
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Styrofoam plates Kotar EPS 70 Facade

Technical data

Properties	Declared class
Linear dimensions: <ul style="list-style-type: none"> ■ Length ■ Width ■ Thickness ■ Rectangularity ■ Flatness 	L2 ($\pm 2\text{mm}$) W2 ($\pm 2\text{mm}$) T2 ($\pm 1\text{mm}$) S2 ($\pm 2\text{mm}/1000\text{mm}$) P4 ($\pm 5\text{mm}$)
Bending strength	BS115 ($\geq 115\text{ kPa}$)
Compressive strength at 10% true strain	CS(10)70 ($\geq 70\text{ kPa}$)
Dimensional stability in normal laboratory conditions	DS(N)2 ($\pm 0,2\%$)
Dimensional stability in specified conditions of temperature and moisture (temp. 70°C, 48h)	DS(70,-)3 ($\leq 3\%$)
Tensile strengths perpendicular to front surfaces	TR100 ($\geq 100\text{ kPa}$)
Declared thermal conductivity λ_D	0,039 W/(mK)
Fire reaction class	E



Styrofoam plates Kotar EPS 70 Facade

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	0,50	0,75	1,00	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30	3,55	3,80

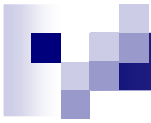
Packing of boards:

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 70 Facade

Approvals

- EC certificate: 02.06.10/10 11 496-1
 - Declaration of conformity: 2/2010 from 06.04.2010
 - Hygienic certificate: HK/B/1683/01/2009
 - Certificate of conformity: 02.06.10/2010 11 958-1
 - Technical approval DIBT Germany: Z-23.15-1783
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