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Packed bitumen for efficient, cost effective delivery worldwide

We are packing various grades of bitumen / PMB in an intermediate bulk containers (IBC) Clovertainer ® - “cardboard cube” placed on standard pallet on the refinery site.

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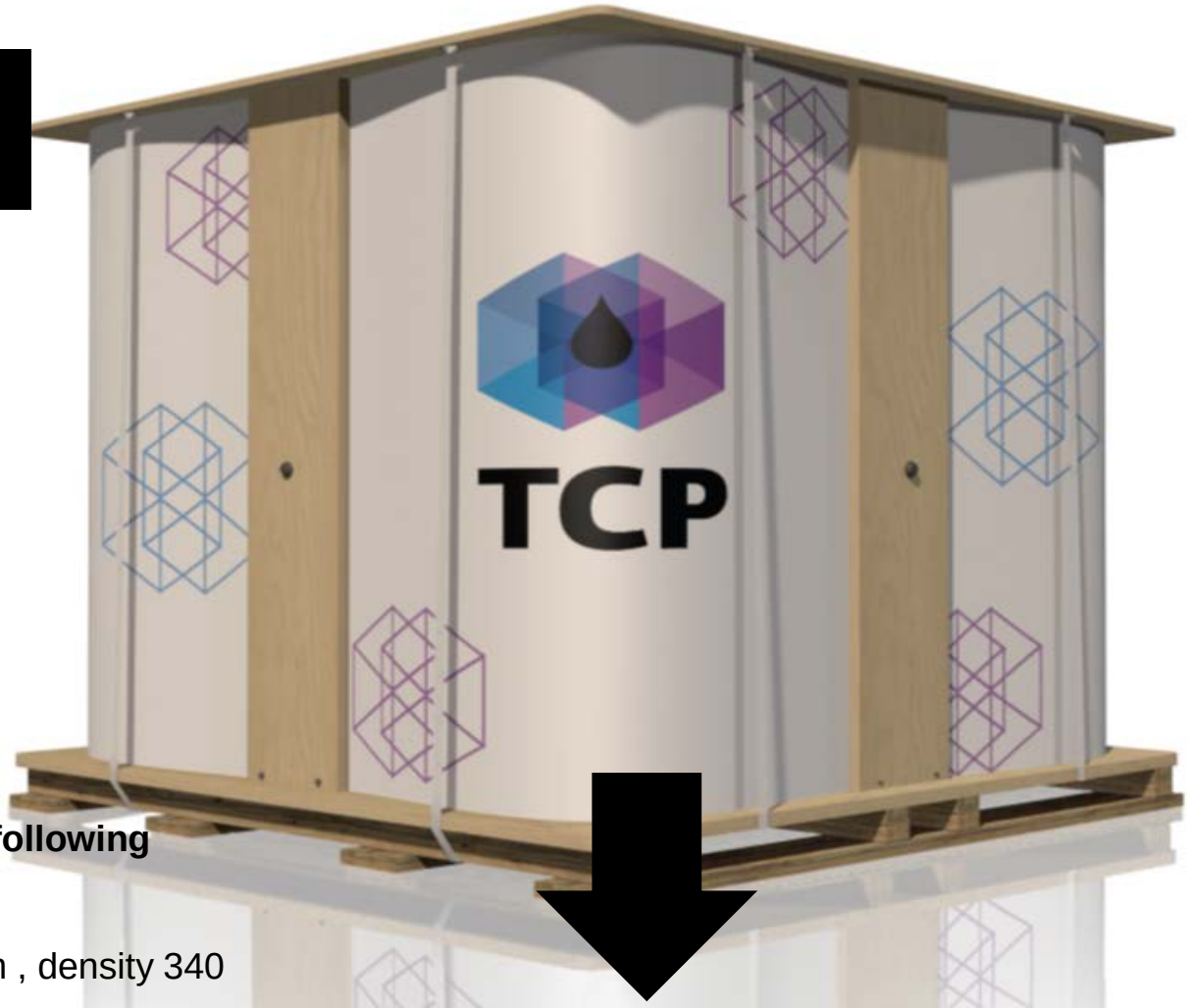
Clovertainer® technical data

Parameters	Value
Load-carrying capacity, L	1000
Length, mm	1140
Width, mm	1140
Height, mm	1080
Filler hole diameter, mm	200
Weight, Kg	75±5



The IBC Clovertainer ® consist of the following functional components and parts:

- Shell - cardboard thickness of 0.5 mm , density 340 g/m2;
- Pallet (plywood) ;
- Internal taping (anti-adhesive siliconize paper);
- Cover (plywood);
- Identification (marking) label;
- Fasteners and seals

985 Kg

of PMB / Bitumen

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Packing on plant side allows us to safe all quality values of our products
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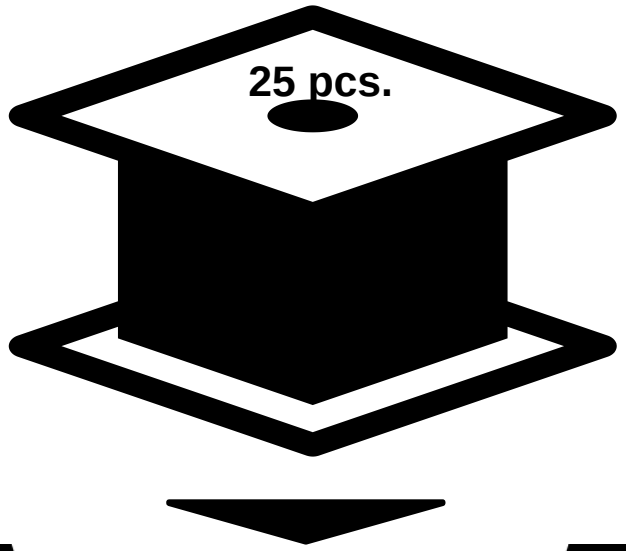
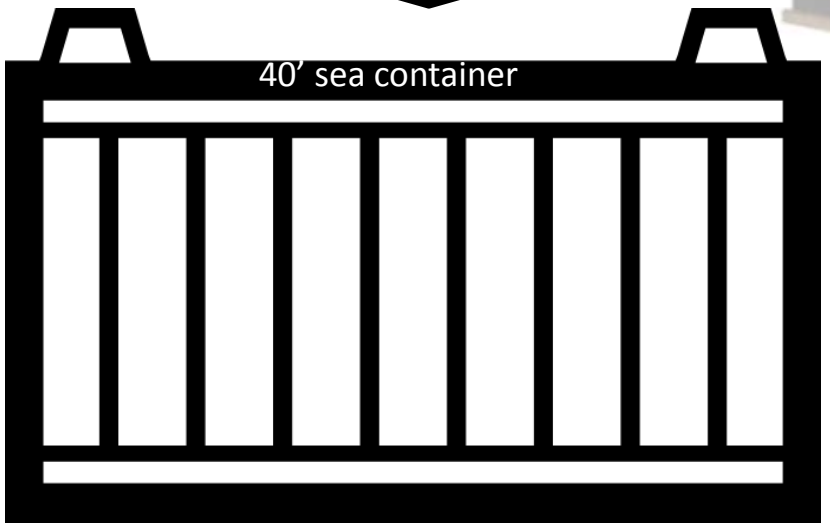
Unlimited logistic to any region in the world





= **24 625 Kg of PMB / bitumen**

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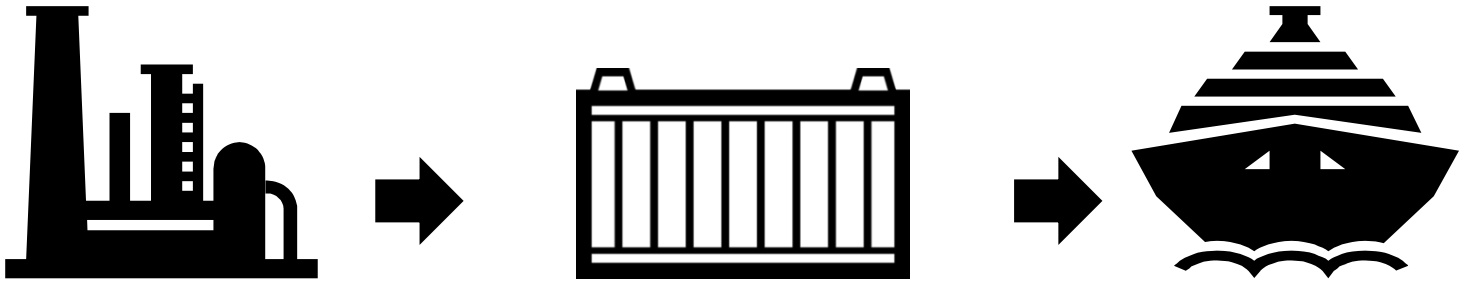
We offer efficient delivery of PMB directly from the plant



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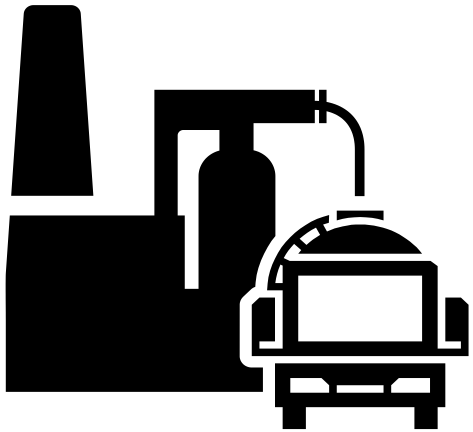
Easy to melt using our reliable and cost-effective equipment



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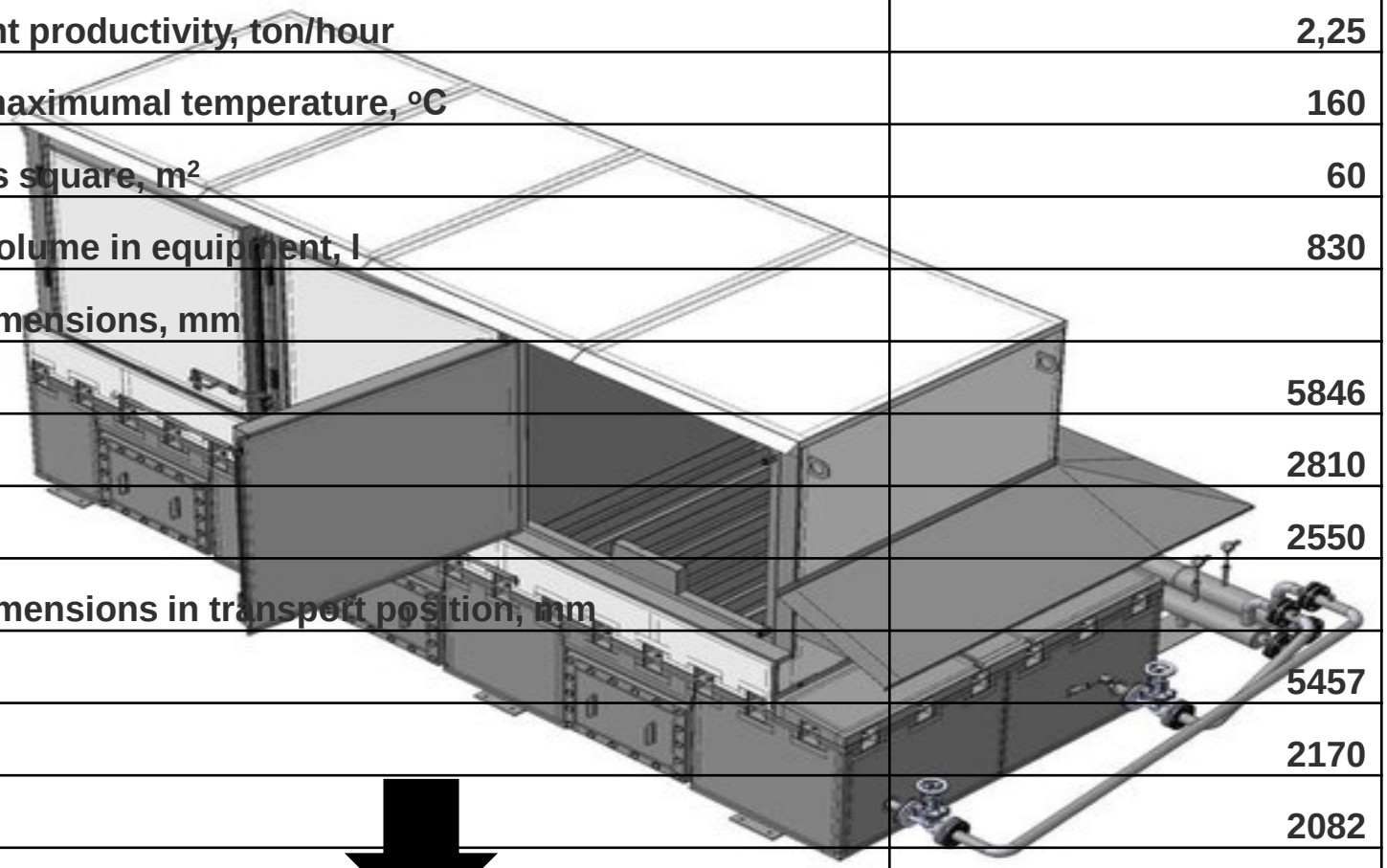
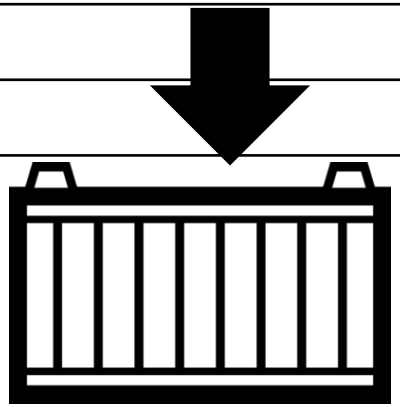
Bitumen melting unit technical data

The equipment productivity, ton/hour	2,25
The coolant maximumal temperature, ^{o}C	160
Total registers square, m^2	60
The coolant volume in equipment, l	830
Equipment dimensions, mm	
- length	5846
- width	2810
- height	2550
Equipment dimensions in transport position, mm	
- length	5457
- width	2170
- height	2082
Equipment mass, Kg	5470





= FIT 100%

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Polymer-modified bitumen supplied by T S R – innovation bitumen material aimed to enhance road concrete quality

PMB application allows to increase the quality of asphalt concrete

High heat resistance of road concrete

Higher resistance to cracking and rutting

Significant increase of maintenance periods

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Extract from the passport of Quality

Product: Polymer-modified bitumen PMB-45/80-65 EN 14023:2010 (for information purpose only)

№	Parameters	Unit of measure	Test method	Standard	Actual Value	Chosen class
1	Penetration at 25ºC	0,1 mm	EN 1426	45-80	68	5
2.	Softening Point (Ring-and-Bell),	ºC	EN 1427	≥75	83	2
3.	Viscosity under the influence of force (traction effort 50mm/min)	J/cm2	EN 13589 then EN 13703	≥3	4,3	2
2	Ductility, cm					
4	Firmness in hardening at 163ºC, EN 12607-1					
	Change of weight	%	EN 12507-1	≤0,3	0,11	2
	Residual penetration	%	EN 1426	≥60	70	7
	Increase in temperature of a softening	ºC	EN 1427	≤8	1	2
5	Flash point	ºC	EN ISO 2592	≥250	252	2
6	Breaking point (Fraas)	ºC	EN 12593	≤-18	-22	10
7	Elastic return at 25 ºC	%	EN 13398	≥70	94	2
8	Storage stability Difference of temperatures of a softening	ºC	EN 13399 EN 1427	≤5	2	2
9	Storage stability Difference of sizes of a penetration	0,1 mm	EN 13399 EN 1426	≤9	2	2

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We have proven experience to
deliver our bitumen / PMB to
most remote spots on the Earth

www.bitumtsr.ru