

PÖRNER PERFORMANCE BITUMEN

BITUROX® ROAD PAVING BITUMEN

POLYMER-MODIFIED BITUMEN



WWW.POERNERBITUMEN.COM



QUALITY PERFORMANCE BITUMEN

SOLUTIONS FOR YOUR BUSINESS: WE UNDERSTAND YOU.

<div>01</div> <div>DEPENDABLE PARTNER</div> <p>We ensure that you will have your supply at your site in a timely manner, whenever and wherever you need it.</p>	<div>02</div> <div>ECONOMIC STORAGE</div> <p>Pörner Performance Bitumen is economic and logistics are efficient. Storage is also available (subject to negotiation). This means direct savings for your projects.</p>
<div>03</div> <div>CONTROLLED QUALITY</div> <p>Pörner is the bitumen specialist. We know bitumen and how to handle it. We even build the bitumen refinery plants. Thus, we control the entire supply chain, guaranteeing the highest quality for our clients.</p>	<div>04</div> <div>INTEGRATED SOLUTION</div> <p>We'll integrate our logistics into your existing process. You do not have to change your processes.</p>

PÖRNER BITUMEN NETWORK

Pörner offers the complete bitumen network at your fingertips. With our network of suppliers with Biturox® plants, as well as with the Pörner Bitumen Bag Packing System, we are able to provide the full bitumen supply chain to you, the end user. We control the supply chain at all levels of the bitumen industry, so we are able to coordinate the entire process, from the production of quality bitumen from different sources, the logistics and delivery to your final site.

ORIGINAL PÖRNER BITUMEN BAG™

The innovative Pörner Bitumen Bag™ has been developed and patented by Pörner. The bag is designed as a self-stabilizing container made of plastic material, consisting of a multi-layer outer bag (flexible recyclable fabric) and an inner liner (special-purpose film). The Pörner Bitumen Bag™ can hold up to 1,300 kg of bitumen. Its shape and volume is optimized for maximum loading. The bag can be transported by any common transport system (truck, standard container, rail, ship). The bag is UV-protected and suitable for every climate. The filled bag can be stored without energy or infrastructure, e.g. a bitutainer.

Our supply chain makes use of the unbeatable logistics and economic advantages of the original bag technology. We let our clients get full advantage of this without having to change any of their current processes, by providing a full-scope service all the way to their site. WWW.BITUMENBAG.COM





BITUMEN PRODUCTS



BITUROX® ROAD PAVING BITUMEN 50/70 & 85/100

BITUROX®
BITUMEN OXIDATION TECHNOLOGY

For more than 40 years, Biturox® bitumen has been known for exceptional quality, economy and reliability by providing best performance.

Biturox® enhances the characteristics of our quality bitumen to so-called "multigrade" characteristics. Meaning the bitumen behaves like a stiff grade at high and soft grade at low temperatures. This all from one product!

Therefore these bitumens have high consistency against rutting as well as good resistance to fatigue, combined with excellent aging stability. WWW.BITUROX.COM

Our standard product grades are 50/70 and 85/100. Other specifications are available on request.

Road paving bitumen	Unit	Test method	50 / 70	85 / 100
Specific Gravity @ 25/25 °C	°C	ASTM D3289	1.010 - 1.060	1.010 - 1.050
Penetration 25 °C	1/10 mm	ASTM D5	50 - 70	85 - 100
Softening point	°C	ASTM D36	46 - 54	42 - 50
Ductility at 25 °C	%	ASTM D113	min. 100	min. 100
Flashpoint	°C	ASTM D92	min. 232	min. 232
Organic solvent solubility	wt-%	ASTM D4	min. 99.5	min. 99.5
Loss in Heating	wt-%	ASTM D6	max. 0.2	max. 0.2
Residue testing TFOT		AMST D1754		
Increase of Softening Point	°C	ASTM D36	max. 9	max. 9
Retained Penetration	%	ASTM D5	min. 52	min. 47
Spot Test		AASHTO 102	neg	neg

PÖRNER POLYMER-MODIFIED BITUMEN - PMB 45/80-65

Pörner PMB 45/80-65 is a ready-to-use polymer-modified binder for the paving of heavy load and high-traffic roads as well as other high-stress surfaces. Other specifications on request.

Polymer-modified bitumen	Unit	Test method	PMB 45 / 80 - 65
Penetration at 25 °C	0.1 mm	EN 1426	45 / 80
Softening point	°C	EN 1427	min. 65
Flashpoint	°C	EN ISO 2592	min. 235
Force ductility	J / cm ²		min. 3 @ 5 °C
Kinematic viscosity at 135 °C	mm ² / s	EN 12595	max. 3,000
Fraas breaking point	°C	EN 12593	min. -15
Elastic recovery at 25 °C	%	EN 13398	min. 85
Resistance to hardening RTFOT 163 °C			
Change of mass	%	EN 12607-1	max. 1
Retained penetration	%	EN 1426	max. 60
Increase in softening point	°C	EN 1427	max. 7
Elastic recovery at 25 °C	%	EN 13398	min. 80



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- 2** SEND YOUR INQUIRY USING OUR CONTACT FORM OR SEND AN EMAIL DIRECTLY TO THE OFFICE IN YOUR REGION.
- 3** WE WILL REPLY WITHIN ONE BUSINESS DAY.

