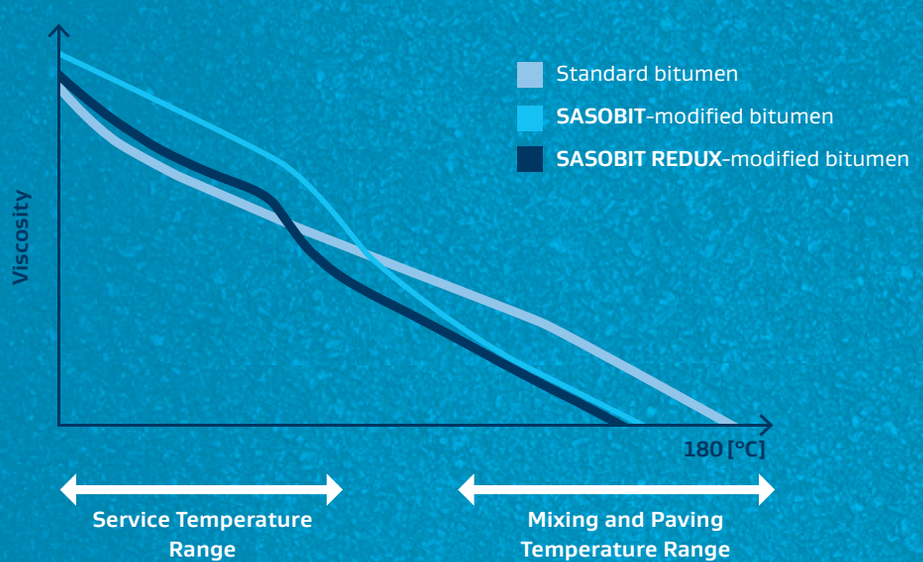
SASOBIT REDUX

Working principle of SASOBIT REDUX in comparison to SASOBIT



The additive designed to

- reduce viscosity
- reduce ageing
- reduce temperatures
- reduce compaction resistance
- reduces the impact on softening point and penetration*

* compared to **SASOBIT**

SASOBIT REDUX's & SASOBIT's effect on bitumen

The working principles in comparison

Temperatues can be reduced by as much as 30 K when using **SASOBIT REDUX**, because at temperatures above 85 °C **SASOBIT REDUX** is completely soluble in bitumen and reduces viscosity significantly.

Reduced viscosity at standard temperatures improves the workability of the asphalt mix. **SASOBIT REDUX** increases process reliability and significantly reduces the risk of improper paving operations.

These described effects, which are valid for the mixing and paving temperature range above 90 °C, are similar to the effects of our well-known product **SASOBIT** which is completely soluble in bitumen above 115 °C.

The viscosity reducing effect of **SASOBIT REDUX** is no longer present at temperatures below 60°C as opposed to temperatures below 90°C by modification with **SASOBIT**. The below-mentioned congealing point of 72 – 83 °C relates to the pure wax.

Consequently **SASOBIT REDUX** makes it possible to widen the compaction window.

SASOBIT REDUX has a negligible impact on the stiffness of the binder at service temperatures. The actual increase is determined by the base binder.

SASOBIT REDUX compared to SASOBIT

Parameter	SASOBIT REDUX	SASOBIT
Congealing point [°C]	72 – 83	100 – 110
Penetration (25 °C) [dmm]	16 – 30	0 – 2

Effects on binder	SASOBIT REDUX	SASOBIT
Reduced viscosity (mixing and paving temperature range)	• •	• •
Increased stiffness (service temperature range)		• •
Impact on softening point and penetration (25 °C)	•	• •
Reduced ageing	• •	•

Application	SASOBIT REDUX	SASOBIT
Enhanced workability	• •	• •
Temperature reduction (Warm Mix)	• •	• •
Improved process reliabilty	• •	• •
Wider compaction window	• •	
Early traffic release		• •
Improved deformation resistance		• •
Heavy Duty asphalt mixes		• •
RAP	• •	•

SASOBIT REDUX 08/16 GB

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