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LUCOWAX® 1761

THE ADDITIVE FOR THE MODIFICATION  
OF BITUMEN OR ASPHALT

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... make better roads

# LUCOWAX® 1761 THE HIGH PERFORMING ASPHALT ADDITIVE



## THE PRODUCT

Lucowax 1761® is a polyethylene-based wax. It is an additive for the modification of bitumen or asphalt (construction industry). Furthermore, Lucowax 1761® can also be used as an additive for the modification of plastics, hot-melts, inks or coatings.

## THE ADVANTAGES

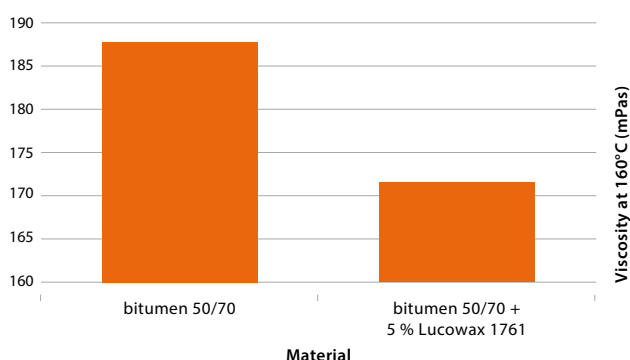
Dosing 5 % of Lucowax 1761®:

- Reduce the viscosity and therefore improve the compressibility of asphalt
- Reduce the penetration
- Increase the softening point
- Improve water resistance
- Increase the pasticity span and lead therefore to better

## TECHNICAL DATA

Below figures show the positive effects of dosing 5 % Lucowax 1761 to bitumen 50/70.

Figure 1: Decrease of Viscosity at 160°C with dosing 5 % Lucowax 1761 = better processability



## THE APPLICATIONS

Lucowax® 1761 is used in asphalt mixtures where

- Hand placing may be required
- Laying material at low temperatures is requested
- Extended time periods between asphalt mixing and compaction are given
- Production temperatures of hot-mix asphalt (HMA) are to be lowered

deformation resistance of asphalt, especially at high temperatures

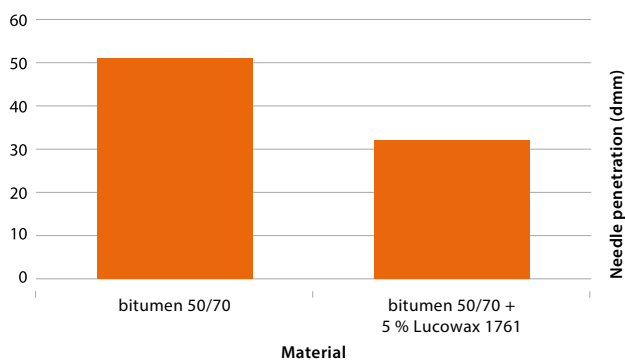
- allows for a reduction in asphalt mixing and laying temperatures by up to 30 °C saving energy, reducing fume emissions and minimizing oxidative hardening
- allows for the use of higher percentage of Reclaimed Asphalt Pavement (RAP)

Viscosity at 160°C of raw bitumen 50/70 and bitumen 50/70 modified with 5 % Lucowax® according to DIN 53177

# LUCOWAX® 1761 – ALL YOU NEED TO ACHIEVE EASY ASPHALT PROCESSING AS WELL AS SUSTAINABLE ROADS

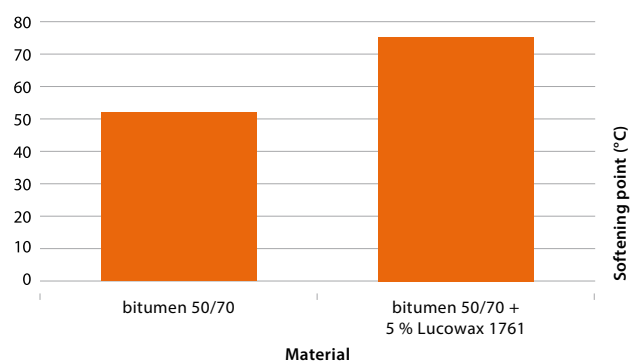


Figure 2: Decrease of needle penetration with dosing 5 % Lucowax 1761 > less rutting



Needle penetration of raw bitumen 50/70 and bitumen 50/70 modified with 5 % Lucowax 1761 according to DIN EN 1426

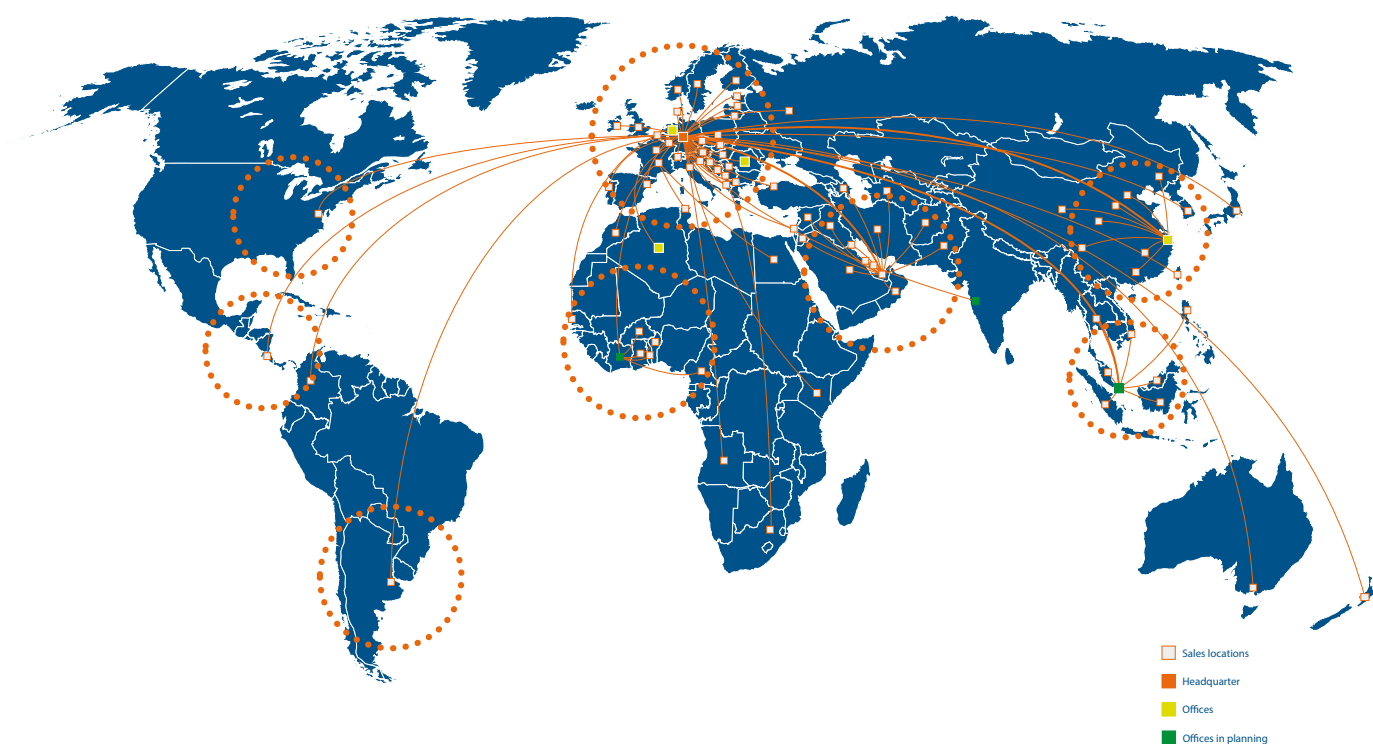
Figure 3: Increase of softening point with dosing 5 % Lucowax 1761 > less rutting



Softening point of raw bitumen 50/70 and bitumen 50/70 modified with 5 % Lucowax 1761 according to DIN EN 1427



## LOCATIONS



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