
LUCOWAX® 1761

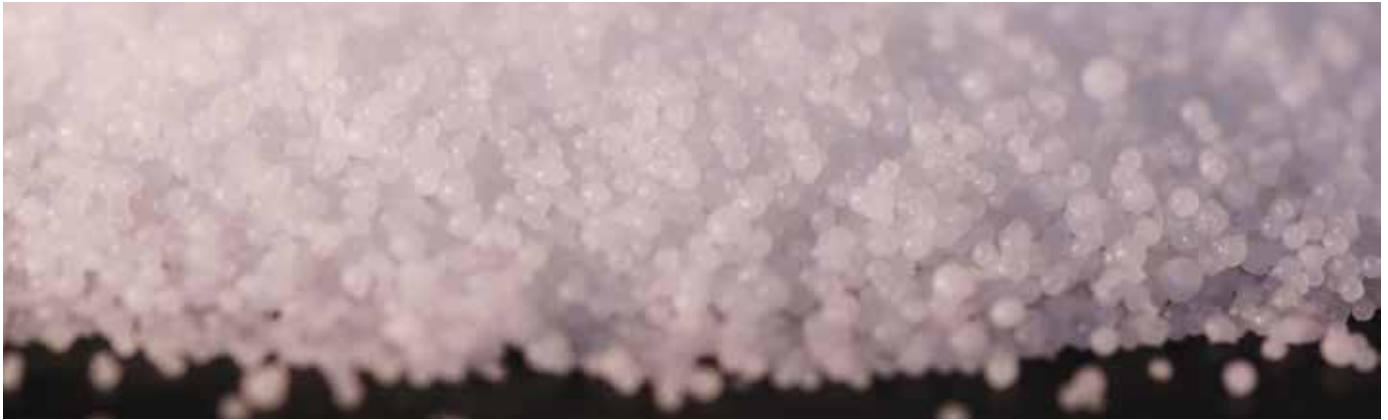
THE ADDITIVE FOR THE MODIFICATION

OF BITUMEN OR ASPHALT



... make better roads

LUCOWAX® 1761 THE HIGH PERFORMING ASPHALT ADDITIVE



THE PRODUCT

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

THE ADVANTAGES

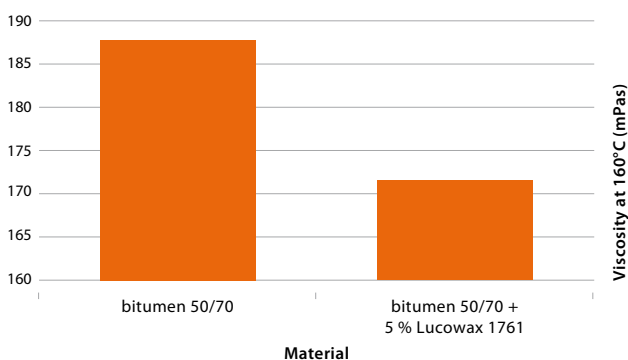
Dosing 5 % of Lucowax 1761® can:

- 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 laying may be required
- laying material at low ambient temperatures is requested
- longer times between asphalt mixing and compaction are given
- the production temperatures of hot-mix asphalt (HMA) are to be lowered

deformation resistance of asphalt, especially at high temperatures

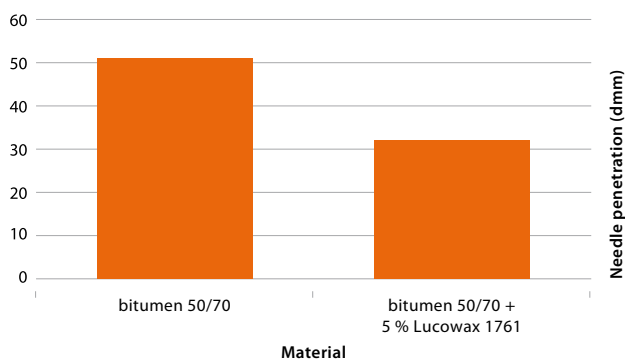
- allow for a reduction in asphalt mixing and laying temperatures by up to 30 °C thereby saving energy, reducing fume emissions and minimize oxidative hardening
- allow the use of higher percentage of Reclaimed Asphalt Pavement (RAP)

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

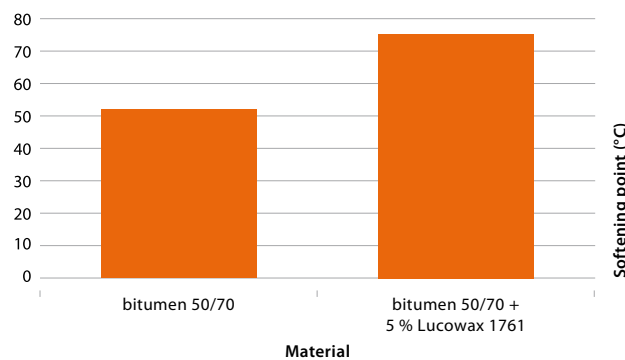


Figure 2: Decrease of needle penetration with dosing 5 % Lucowax 1761 > less rutting



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

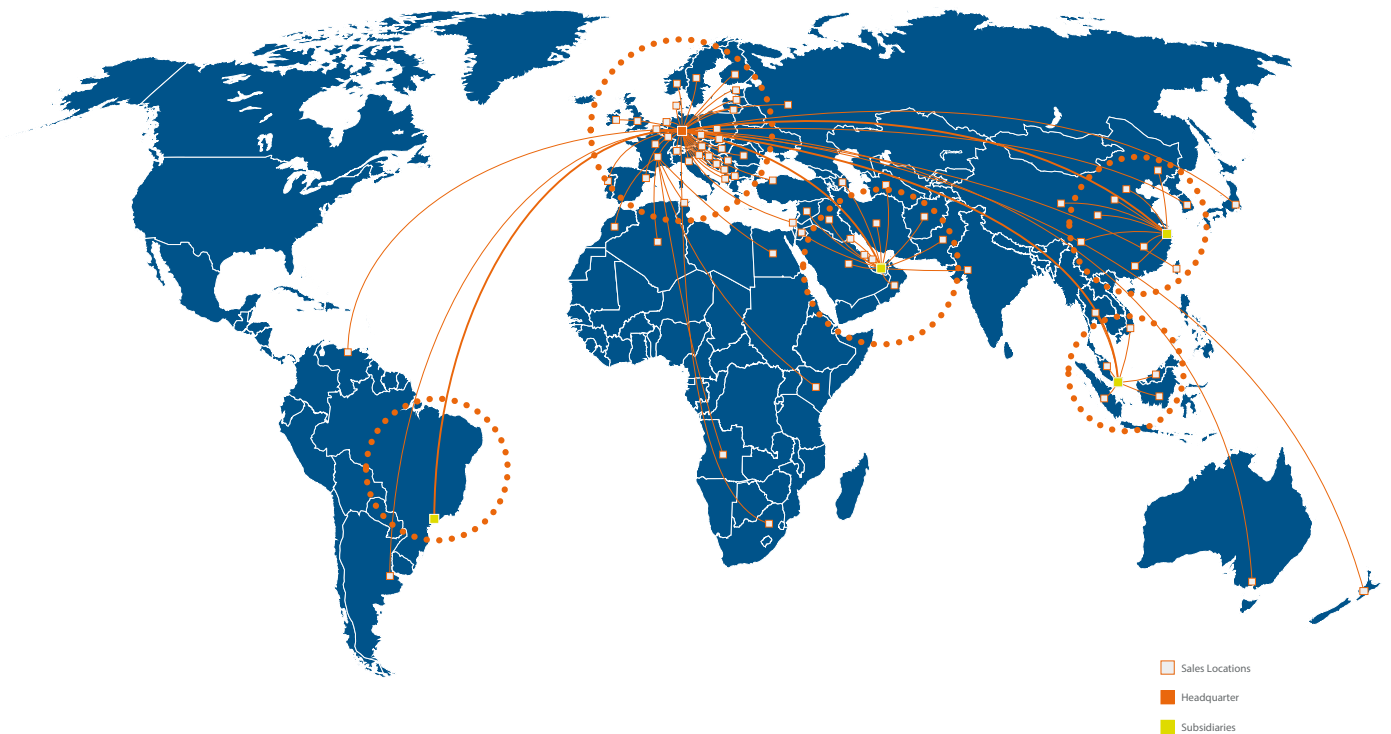
Figure 3: Increase of softening point with dosing 5 % Lucowax 1761 > less rutting



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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