

SURFACE DRESSINGS IN THE HUNGARIAN HIGHWAY PAVEMENT MANAGEMENT

GÀSPÀR, LÁSLO Ph.D. and KUNA, ELISABETH
Institute for Transport Sciences Ltd, Budapest, Hungary

SUMMARY

Surface dressing has been a widely used highway maintenance technique of the Hungarian asphalt concrete and asphalt macadam pavements already for several decades.

In the 60's, cutback surface dressings played an important role in the antidust program of the Hungarian water-bound macadam pavements. From 1968 on, the share of cationactive asphalt emulsion surface dressings has been gradually increased, primarily on the asphalt concrete pavements. Recently also dressings with modified binder are used on heavily trafficked sections including motorways.

A special design technique has been elaborated for surface dressings including the consideration of the pavement surface hardness.

In order to improve the quality and the traffic durability of surface dressings, various research works were done in Hungary, among others, the investigation of the influence of the basic materials used in the surface dressing quality, long-term monitoring of special experimental sections, investigation of the high traffic volume on the deterioration process of surface dressings.

In 1993, Technical Guidelines were made for the preparation and the design of surface dressings.

Since 1993, a special expert team financed by World Bank has been working on the prolongation of the surface dressings life up to 8 years.

The network-level Hungarian PMS also includes the surface dressing as a technological choice.

The significance of mixed dressings has been also growing in Hungary.