

# “Ready for take-off”

## Asphalt renovation with Fibertex AM2

### Heringsdorf Airport, Germany

- Improved wearing course performance
- Increased service life
- Reduced maintenance costs
- Fast unrolling process



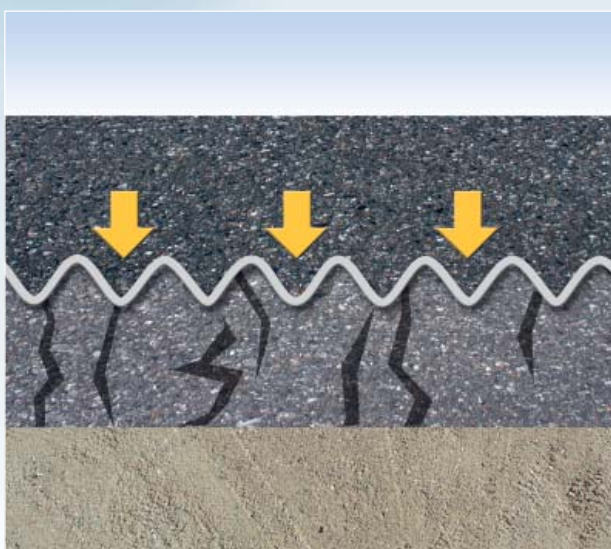
### Heringsdorf Airport

The Heringsdorf airport is situated in the North Eastern Germany close to the Polish border. The Airport plays a major role in the development of the region being the centre of the area's domestic and foreign trade.

The airport's runway was renovated to comply with the increasing performance requirements. As the quality of the construction materials is decisive for the load bearing capacity the suppliers were faced with high quality demands. Fibertex Geotextiles were chosen based on guarantee of a high uniform quality and Fibertex's many years of experience in asphalt renovation particularly in adverse conditions. In total 106.000 m<sup>2</sup> of Fibertex AM2 were installed.

## Geotextile functions

The Heringsdorf airport runway was originally constructed on concrete slabs coated with an asphalt wearing course. After 20 years of wear and tear the asphalt wearing course showed severe cracks and holes and was then permeable to water. Consequently, water penetrated through the asphalt wearing course causing its degradation.



The top layer of the existing surface was milled off to create the optimal basis for the new asphalt wearing course. Fibertex AM2 was placed on top of the deep milling cuts.

The elongation properties of the paving fabric are decisive as the fabric must adjust itself to the milled surface. Fibertex AM2 proved to be the perfect match.



Fibertex AM2 functions as a stress-absorbing membrane which prevents cracks in the existing road surface from reflecting up through the new asphalt wearing course.

Fibertex AM2 also functions as a waterproofing membrane preventing water from penetrating the bearing layers, avoiding any softening of the subsoil (sand and gravel).

The use of Fibertex AM2 is a perfect example of the benefits of specifying a quality material for asphalt maintenance. A 40% increase in life expectancy of the new wearing course has been achieved.

