



High performance
cost effective
solutions for
highways

The Netherlands, rehabilitation of Highway N302

Product:	Sealoflex® SFB-5
Construction period:	2009
Quantity:	13,200 tons of PMA
Location:	Highway N302, North-Holland
Layer structure:	25 mm Deciville noise reduction friction course 55 mm Sealoflex® Binder 120 mm Sealoflex® Base



Approximately 3 km of provincial highway N302, in the north-west of the Netherlands, had suffered from severe cracking and blow ups as well as local severe rutting. The blow ups are caused by expansive slag material in the base course.

Ooms has proposed an alternative solution for reconstruction which has been engineered in close consultation with Unihorn consultancy and the client.

The current slag base course has been rehabilitated by means of milling and mixing with a part of the asphalt base course. This way the expansive behaviour is mitigated. Following a full depth Sealoflex® polymer modified asphalt structure has been applied. Due to the excellent resistance to fatigue, the total layer thickness of the asphalt pavement could be reduced by one layer. This led to advantages related to transitions to existing pavements as well as speed up of the construction proces.