

# CASE STUDY AUTOBAHN A61 MÖSEL-GERMANY

**FLEXI-C-MENT STABILIZING OF THE FROST LAYER**



PRODUCT FLEXI-C-MENT CO POLYMER SOIL STABILIZER

ENGINEER SCHNORPFEIL RHEIN-MAIN

CLIENT H2BQ

CONTRACTOR SCHNORPFEIL RHEIN-MAIN

LOCATION MOSEL/RHEIN-HUNSRUCK, GERMANY

WHERE SCIENCE



MEETS THE EARTH



## PROJECT – 12<sup>TH</sup> August 2019

Mosel/Rhein-Hunsrück, is situated 4 hours north of Munich. Normally in the winter months, autobahns are compromised by frost heaving and water ingress in the sub base layers, making maintenance issues extensive and expensive. Gravel Locks Flexi-C-Ment has been used in the frost layer to combat these issues.

## DESIGN – 2ltrs Flexi-C-Ment & 8kgs of Cement per sqm

Treatment of the Frost layer (3<sup>rd</sup> layer of the pavement)  
9950sqm treated at 200mm deep  
Equipment – Mill, Grader, Roller, Watercart, Powder Spreader  
Project completed in 12 hours over 2 days

## INSTALLATION

To ensure the clients satisfaction on the installation of an alternative system, the team from Gravel Lock travelled to Germany to oversee the construction. Schnorpfeil are an experienced team and were able to install the product rapidly with ease. On the first section, a top layer of bitumen was applicated over the surface as per their normal procedures to protect the cement stabilized pavement from water ingress. Due to the performance of Flexi-C-Ment in the first section, Schnorpfeil decided that this was not required on the second section.

## BENEFITS PROVIDED TO THE PROJECT BY USING FLEXI-C-MENT

- Saving the client money by reducing cement requirements
- Reduced CO2 admissions
- Waterproofed the frost layer of the Autobahn
- Eliminate frost heave and save client money in remedial works.



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