

CASE STUDY



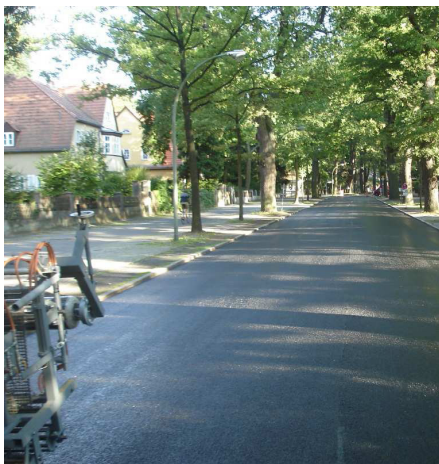
A Simpson Strong-Tie® Company

Asphalt reinforcement

ORANIENBURGER CHAUSSEE



Project	Road restoration
Object	Oranienburger Chaussee
City	Berlin
Country	Germany
Year	2010
Duration	Approx. 3 days
Material	S&P Glasphalt® G



▲ *Cut-milled asphalt surface*

Situation, problem statement

In the summer of 2010, the Oranienburger Chaussee was restored in Berlin. The road was originally made up of large paving slabs. Over the years, the pavement had been repeatedly covered with asphalt, but after a short time cracks continued to reappear. For this reason, it was decided

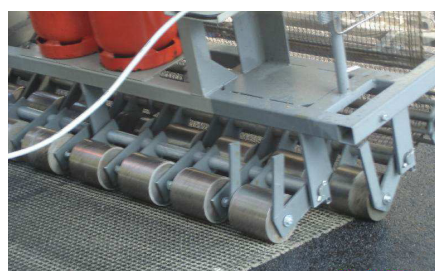
to use the pre-bituminized asphalt reinforcement grid S&P Glasphalt® G for the new restoration. S&P Glasphalt® G is a pre-bituminised glass fibre grid, that has a freely moveable grid structure due to having no fixed knots. Using a mat as installation aid was omitted so as not to influence the layer linkage.

Solution

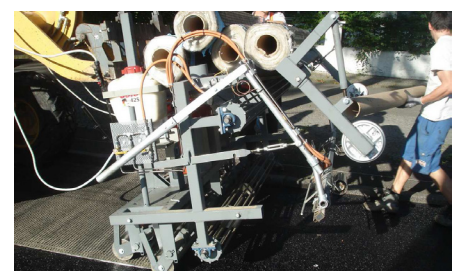
The asphalt was milled down to the large paving. An amount of bitumen emulsion (C60BP1-S) corresponding to the ZTV requirements was sprayed onto

the subsequently added levelling layer.

After breakage of the emulsion, S&P Glasphalt® G was laid over its entire surface and a new asphalt surface layer could be added directly afterwards. The product S&P Glasphalt® G is distinguished by its ease of laying as well as its effectiveness in preventing crack reflection.



▲ *The S&P grids are fixed by several small rollers onto substrate*



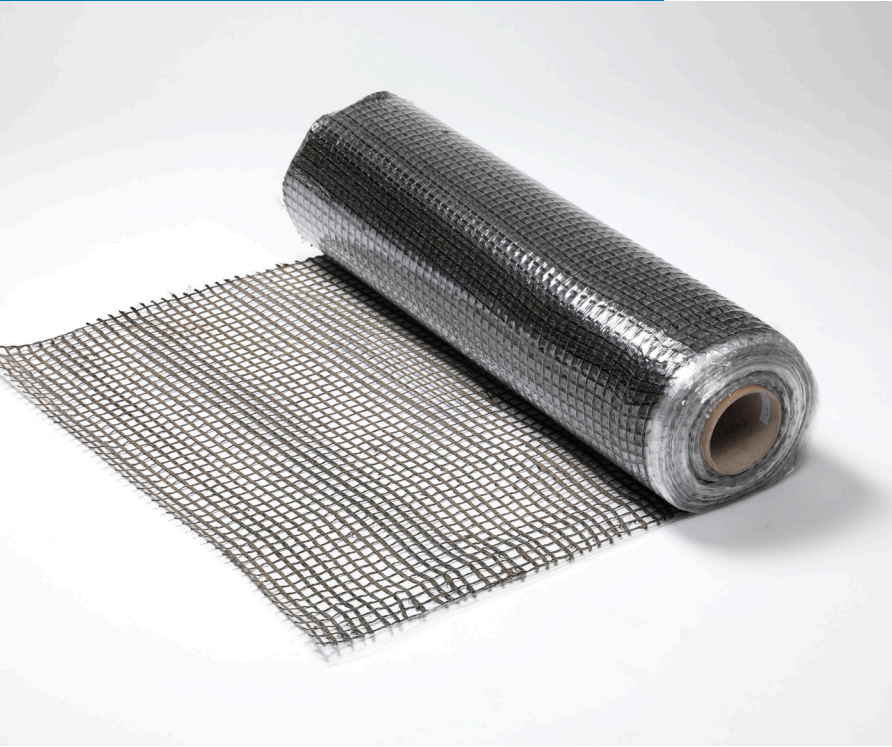
▲ *Easy and efficient application with S&P unrolling equipment*

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Client benefit

- Fast and effective reinforcement method
- Severely reduces future maintenance costs
- Prevents crack reflection
- Increases durability of asphalt surfaces

Product

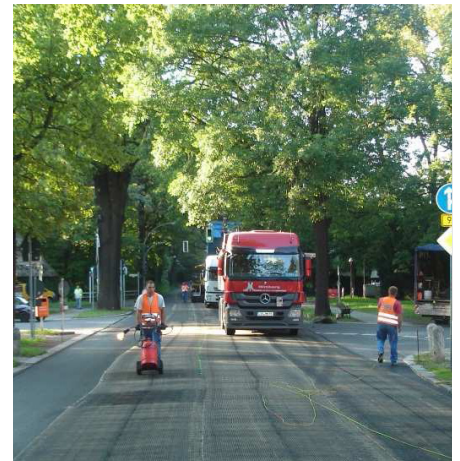
- **S&P Glasphalt® G**



▲ The S&P asphalt grids are easy to handle and easy to install



▲ Installed asphalt grid



▲ After the application the S&P grids can be driven on immediately

Contact

S&P Clever Reinforcement GmbH
Karl-Ritscher-Anlage 5, D-60437 Frankfurt am Main

+49 (0) 69 950 9471-0
info@sp-reinforcement.de