

Augsburg construction material specialist supervises laying pavement in roadworks

Jointing gutters like clockwork

When draining streets and squares, surface water is channeled off into the gutter. It is used for channel flow and at the same time as the border of the street and square. With its extensive product range and expert consultation during planning and execution, PCI Augsburg GmbH is a highly sought-after partner even regarding road construction projects.

Sealed areas, be they streets or squares, are for the most part drained on the surface via their incline. A longitudinal drain along or between the traffic zones is usually formed by gutters. Made of channel plates, shaped channel stones or paving stones, they receive the inflowing water and feed it to road gullies or to the outlet channel. Road drainage channels must be constructed according to DIN 18318 in linked style. The gutter or so-called gulley stones are laid in foundation concrete and provided with a cementitious joint sealing. Here the joint width should be at least 8 mm and at most 12 mm.

The waterproof cement joint grout PCI Pavifix CEM is recommended for jointing. This PCI special product was used in roadwork projects in Lower Saxony. In consultation with the PCI Application Technology Department and with support from a PCI consultant in the field, the contracting firms each jointed an approx. 2 km long concrete gutter stone drainage channel along the asphalted street. Jointing was carried out using the grouting procedure: The pourable joint mortar is applied to the prewetted pavement surface, spread out with a hard rubber blade and fed into the joints. In doing so, care must be taken to leave as little material as possible lying on the stone surface. The surface must be cleaned inside of an hour. Either by means of a sponge board or, which is far less laborious, by spraying with a fan nozzle as horizontally as possible, which removes the residual material in the flat spray. Only the surface is rinsed off in the process and a weakening of the already very compact joint mortar is prevented.

When cleaning with the water jet, the stone surface is rid of PCI Pavifix CEM by and large. To make the cleaning work easier, pretreatment with PCI Pavifix V can be performed prior to jointing. Applied with a foam roller, PCI Pavifix V forms a protective film on the gutter stones and prevents the cementitious joint mortar from sticking to the stone surface.

Construction industry press release: Laying pavement in gutters
Release: Mr. Manfred Vaupel (July 27, 2011)

With the well coordinated products of the PCI Pafivix product family and easy application, jointing gutters goes like clockwork!