



The active photocatalytic principle

Abating Pollution: Vanves, France

Road Requalification

Customer: Regional Council
Year: August 2007
Representatives companies: SCGRG/COLAS
Photocatalytic cement supplier: Ciments Calcia
(Italcementi Group)
Concrete Supplier: Unibéton (road pavement)
Precaster: Stradal (stones and curbs)
Technical and check control: Regional Laboratories
of Western Paris

Setting

- Site: next to the highway of Paris area / Geographical type "Canyon Street"
- More than 13.000 cars per day
- Environment: it has been inserted in the requalification plan of Vanves road network.



Solutions

Road pavement (in two concrete layers): 300 meter of concrete overlay with TX Aria over a concrete layer with traditional cement. Sidewalks have been made in precast stones and depolluting curbs with TX Aria cement.

Project Description

Realization of pavement, curbs and sidewalks made with depolluting concrete: about 6.000 sqm. of the Jean Bleuzen street.

North-south position of the street with a good exposure to the sun and perpendicular to the main winds. Important and intense traffic.

Result

Reduction of pollution peak in the city. Even in the adverse weather conditions related to road transport responsible for polluting Nox gas emissions, there is at least a 20% pollution decrease.

Aesthetic roadway and little noise, with a suitable concrete composition and exposed aggregate finishing. Monitoring of the 2 sections of the street for a year to assess the contribution of photocatalytic cement on air and rainwater quality.

For any further information, please visit our web site: www.ciments.calcia.fr and click on TX Active® logo.



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