



Blijdorp Zoo

Rotterdam, Holland

Agriculture - Zoological

Client:

Blijdorp Zoo

Specialist Contractor:

PU Nederland

Products Used:

VIP Quickspray Industrial &
QuickCoat – Base Protect

Contact:

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Case Study

The Rhino and Hippo enclosure at Blijdorp Zoo in Rotterdam was being refurbished and improved for both the animals and their visitors. A highly durable impact and abrasion resistant, watertight coating material was required for all of the internal concrete surfaces. These included the animals sleeping quarters, holding pens and stalls where all of the animals are regularly examined and when necessary, treated by the veterinary and zoological team to ensure that they keep them in good health. This coating system also had to be fully resistant to the various possible combinations of the animal's foodstuffs and their substantial waste products (!!!), followed by frequent high pressure water jet cleaning and the necessary disinfection chemicals.



Following the evaluation of all of the alternative solutions proposed, a 2-component coating system based on VIP polyurea resin technology was selected. The 900m2 of concrete surfaces were prepared by blastcleaning, VIP QuickPrime Epoxy (solvent-free epoxy) was applied as a sealer and water vapour barrier, and then the VIP polyurea system was applied using hot airless spray techniques. An additional advantage of this system is that it can be successfully completed in a relatively short time, allowing other trades to continue and prevent delays so that it could open on time.