

PROJECT REPORT

VANDEX AM 10

SLOVAKIA, CITY ARENA STADIUM AND SHOPPING CENTRE TRNAVA



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SLOVAKIA, CITY ARENA STADIUM TRNAVA



PROJECT DETAILS

Location:

The City Arena stadium and shopping centre Trnava in Slovakia, Europe

Year of application:

2013 – 2015

Project size:

67t VANDEX, 2% dosage BWC

Type of product:

VANDEX AM 10

Vandex applicator:

Stavan, Slovakia

Client:

City Trnava for the football stadium, private investors for the mall, hotel and office part

Engineer:

ZIPP Bratislava

NEW CRYSTALLINE WATERPROOFING AND WATER REDUCING ADMIXTURE TECHNOLOGY FOR CONSTRUCTION.

VANDEX AM 10 – Crystalline waterproofing admixture for concrete

- integral waterproofing
- permanent system
- improving concrete properties
- dry powder – easy to use
- CE EN 934-2
- ASTM C494 Type S

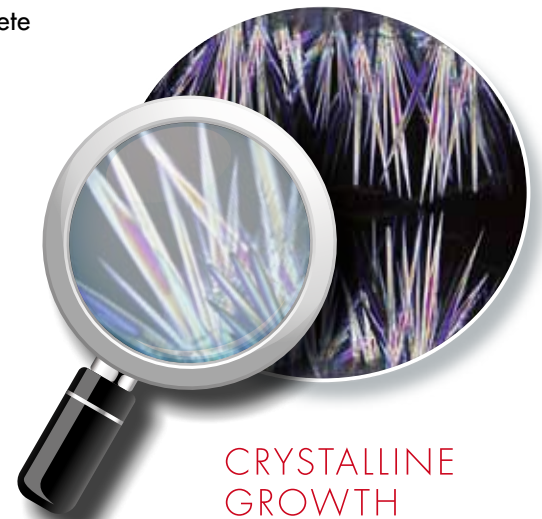
THE PROJECT

RPM BELGIUM and VANDEX Group introduced the new VANDEX AM 10 crystalline waterproofing technology for a project in Slovakia Europe. The City Arena Trnava Stadium is getting built in place of the soccer club Spartak's present home Štadión Antona Malatinského. The new stadium is scheduled to be opened in August 2015. The City Arena is part of a large €79-million project that includes office space, shopping mall and a cinema.

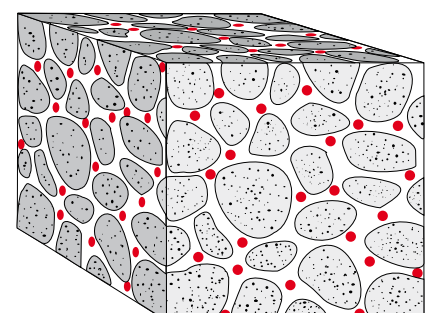
The VANDEX AM 10 crystalline admixture is a unique product in the world, as it fulfills ASTM (North American) as well as CE (European) admixture standards.

THE SOLUTION: VANDEX AM 10

The main engineering criteria was to have a crystalline waterproofed concrete in order to limit cracks in the concrete and have the concrete selfheal cracks.



CRYSTALLINE
GROWTH





**FACTS OF THE CITY ARENA STADIUM,
TRNAVA, SLOVAKIA**

- Club: FC Spartak Trnava
- Capacity: 17'500 seats
- Field size: 105 x 68 m
- Scheduled opening: August 2015

VANDEX PRODUCT USED:

- VANDEX AM 10 ~67t

VANDEX ADMIXTURE PRODUCTS FULFILL THE REQUIRED EN 934 NORM
FOR CONCRETE ADMIXTURES **CE**

After 5 rounds of negotiations with different suppliers VANDEX AM 10 was selected. Beside the competitive price offer, it was the concept which the Vandex applicator Stavan offered for the project that made the sale. Stavan offered also solutions for concrete repairs, waterproofing construction joints, pipe inlets as well as control of the concrete quality. Stavan has 3 application specialists at the site every day and a site supervising engineer visits the site every week. VANDEX AM 10 is added to the concrete at the batching plant. A truck can load 5 to 9 m³ of concrete. 320 kg/m³ of cement is used for the concrete. Consumption: 2 % BWC



VANDEX AM 10 added at the batching plant.



Batching plant

RPM BELGIUM and VANDEX offer unique solutions

- Industrial flooring
- Bridge waterproofing
- Car park decks
- Waterproofing underground, tunnels
- Potable water approved coatings
- Biogas facilities
- Water and wastewater treatment
- Terrace and Balcony
- Stadiums, Airports, Hotels etc.
- Electronic and Heavy industry
- Joints in construction
- Road markings

RPM BELGIUM VANDEX GROUP

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