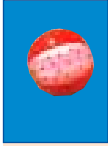


CONVERTING INDOOR POOLS TO LEISURE CENTRES.

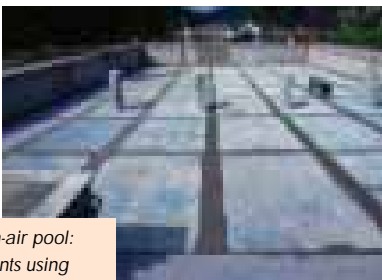


In Senftenberg - at the heart of Germany's Lausitz coal-mining area - an existing swimming pool was remodelled to a Leisure Centre.

Being an existing structure, using current construction techniques is not always possible. This meant that for many problems custom made solutions had to be found.

Compared with the former rectangular shape, the various installations, from slides to saunas, were intricately shaped and involved a great many engineering details. This called for the careful planning and design of various special waterproofing details.

In particular, the construction joints - partly recessed in floor channels - required a great deal of planning and executional knowledge. VANDEX DILA JOINT TAPE was used, applied



Marktöglitz open-air pool: Restoration of joints using VANDEX DILA JOINT TAPE bonded with VANDEX BB 75 E.



with VANDEX BB 75 E waterproofing slurry.

Surface restoration of the swimming pools was carried out following the rules of concrete repair, using the products VANDEX UNI MORTAR 1 (reprofiling) VANDEX BB 75 (surface waterproofing).

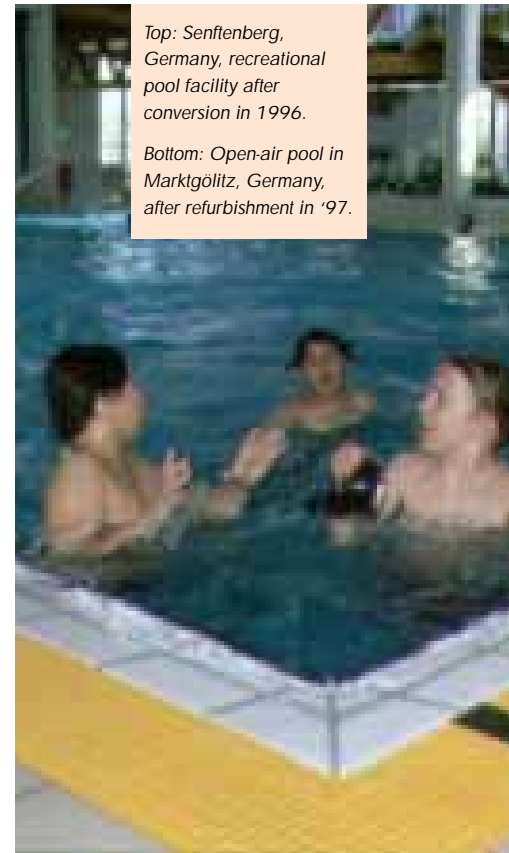
At the municipality of Marktöglitz, a concrete swimming pool measuring 37x20 meters was built in the 50's near the creek flowing through town. In keeping with the then construction practice, the pool was divided into 3x5 m sections. Flowing beneath the pool, however, the creek regularly leached out the joints. Leaks increased in recent years to the point of requiring closure of the pool activities.

In 1997, in conjunction with an overall reconstruction of the swimming facility, elimination of the leaks started. It was carried out with a new VANDEX technology using VANDEX DILA JOINT TAPE.

By forming a waterproof bond with VANDEX BB 75 E waterproofing slurry, the VANDEX DILA JOINT TAPE was laid in such a way that a slip joint was created across the areas of movement. (A slip joint is created where the VANDEX DILA JOINT TAPE is not bonded over an area of substrate movement, so that elastic deformation can occur when required.)

Builder: Municipality of Marktöglitz, Marktöglitz **Planning:** Engineering Bureau Rainer Wohlfarth & Neumann, Gräfenhain **Building materials + special consultation:** Vandex Isoliermittel-Gesellschaft mbH, Hamburg **Contractor:** Rickowski & Apel, Bau- und Bautenschutz GmbH, Saalfeld

Builder: City of Senftenberg, Building Dept., Senftenberg **Planning:** Bauplanung Bautzen GmbH, Mr. Hinz, Bautzen **Building materials + special consultation:** Vandex Isoliermittel-Gesellschaft mbH, Hamburg **Contractor:** Rickowski & Apel, Bau- und Bautenschutz GmbH, Saalfeld

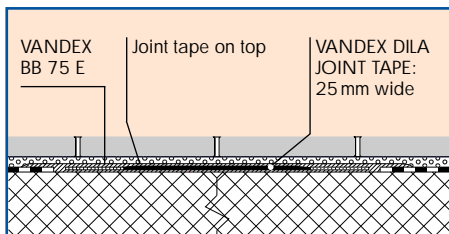
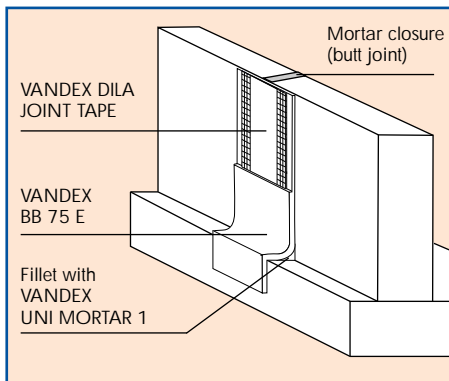


Top: Senftenberg, Germany, recreational pool facility after conversion in 1996.

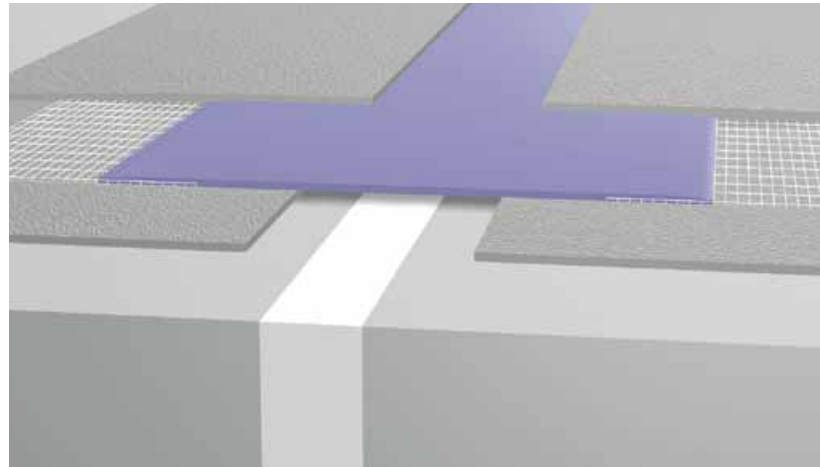
Bottom: Open-air pool in Marktöglitz, Germany, after refurbishment in '97.



Abutting tape ends, corners and intersections were immediately glued using VANDEX DILA JOINT TAPE ADHESIVE. The strips of VANDEX DILA JOINT TAPE were embedded completely in VANDEX BB 75 E. Surface coating was carried out after reprofiling with VANDEX UNI MORTAR 1 and VANDEX BB 75 E. Watertightness tests were successfully undertaken.



VANDEX DILA JOINT TAPE



- can be applied on a damp substrate
- resistant to hydrostatic pressure
- allows movement up to 10 mm
- fixed with VANDEX BB 75 E

Application

VANDEX DILA JOINT TAPE was developed specifically for durable waterproofing of movement (up to

+10 mm) and construction joints together with the elasticized waterproofing slurry VANDEX BB 75 E. The concrete surface may be damp, but must not be wet.

VANDEX DILA JOINT TAPE is resistant to pressure on the positive side of a structure and, with appropriate support, on the negative side as well.



1 Apply first coat of VANDEX BB 75 E (3 kg/m², 1.5 mm) at least 2 cm beyond width of VANDEX DILA JOINT TAPE.



2 Place VANDEX DILA JOINT TAPE, followed by working fabric edges on both sides into waterproofing slurry.



3 Embed fabric edges in second coat of VANDEX BB 75 E (3 kg/m², 1.5 mm) and smooth surface with wet brush.



4 Final state: Mechanically protect installed tape, if necessary.



A Bond abutting tape ends (mitred, T-joints etc.) with instant VANDEX DILA JOINT TAPE ADHESIVE.



B Shapes can be cut out and glued quickly and safely.