



JOINT REFURBISHMENT IN SCHWEMMBACH SEWER | ERFURT, GERMANY



CASE STUDY

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| Project Name: | Schwemmbach sewer |
| Location: | Erfurt, Germany |
| Project Completed: | 2011 |
| Vandex Applicator: | Schönheit Bausanierung, Nöda |
| Owner: | Stadt Erfurt |
| Product Applied: | VANDEX EXPASEAL VANDEX UNIMORTAR 1 VANDEX FLEXTAPE VANDEX FLEXTAPE ADHESIVE VANDEX UNIMORTAR 1Z |

SCHWEMMBACH SEWER ERFURT

Project

- ▶ Grinding off the concrete cover along the crack 10 mm deep and 300 mm wide (150 mm on each side of crack).
- ▶ Grinding to create a fillet/recess in the crack 20 mm wide and 90 mm deep.
- ▶ Placement of **VANDEX EXPASEAL** at bottom of fillet.
- ▶ Filling of the fillet by **VANDEX UNIMORTAR 1**.
- ▶ Application of **VANDEX FLEXTAPE**, 200 mm wide/ 2 mm thick, by use of **VANDEX FLEXTAPE ADHESIVE**. To ensure the movement capacity of the tape was a 5 cm wide sliptape used below and above the **VANDEX FLEXTAPE**. **VANDEX FLEXTAPE** is placed in the **VANDEX FLEXTAPE ADHESIVE** and covered by **VANDEX FLEXTAPE ADHESIVE**. Quartz sand is applied to the fresh **VANDEX FLEXTAPE ADHESIVE**. Placement of **VANDEX EXPASEAL** at bottom of fillet.
- ▶ Finally is **VANDEX UNIMORTAR 1Z** applied to the cured **FLEXTAPE ADHESIVE** in the full width, quartz sand allows the **UNIMORTAR 1Z** to adhere well to the surface.
- ▶ Levelling and smoothing of **VANDEX UNIMORTAR 1Z**.



Rolling out the VANDEX FLEXTAPE



Hot welding butt joints of VANDEX FLEXTAPE



Masking tape to define area of application, and slip tape at middle of VANDEX FLEXTAPE



Covering the VANDEX FLEXTAPE with VANDEX FLEXTAPE ADHESIVE

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