

Method Statement for Application Of **Sikaflex-Tank** Sealant For Joint Exposed to Chemicals

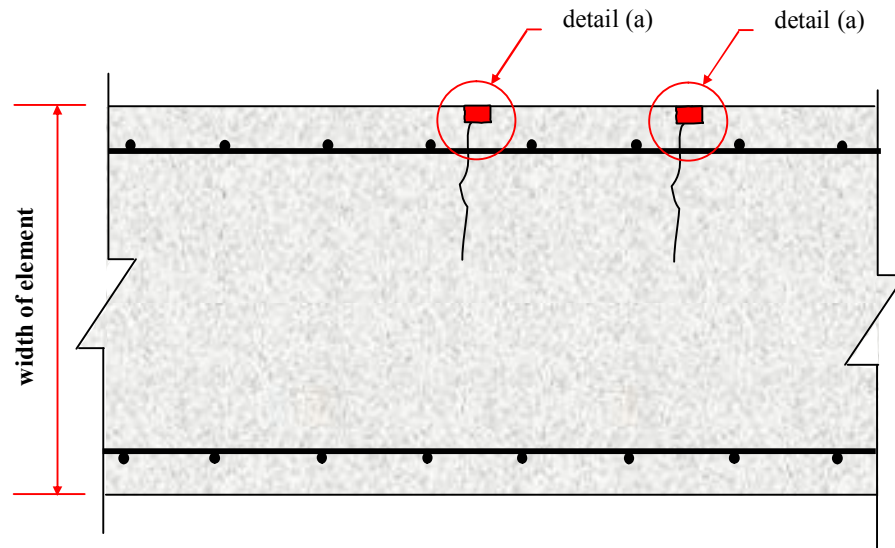
Scope: Flexible 1-component, moisture curing elastic joint sealant based on Polyurethane with good chemical resistance and a permissible movement $\pm 25\%$.

1. Preliminary Works and surface preparation

- 1.1 Cracks are to be treated by the method of routing and sealing, with reference to fig (1). These cracks are widened manually or mechanically as U-shape .
- 1.2 The minimum width & depth should not be less than 10 mm. & In a case of the width will be more than 1 cm. the width to depth ratio recommended to be 2:1
- 1.3 The bond areas must be of sufficient strength, dense, dry and free of fat and dust. In combination with *Sika Primer® -3N* Surface, saturated dry (S.S.D.) concrete is acceptable.
- 1.4 Cleaning of joint arrises must ensure that all friable particle and contaminations are removed.
- 1.5 Concrete should normally be prepared with an angle grinder, Absorbent substrates need a dry cleaning (by broom), non-absorbent substrates a wet cleaning (de-dusting/removal of fat), metal angle profiles e.g. by *Sika Cleaner 5*. The solvents must evaporate completely prior to sealing the joints.
- 1.6 Joint face repairs have to be patched up with epoxy mortar (e.g. *Sikadur®41CF*). Respect recommended curing time prior to sealing of the joints with Sikaflex® sealant.



Construction



2. Application

- 2.1 **Sikaflex® -Tank** should be caulked into the joint in such a way, that no air is entrapped.
- 2.2 Substrate temperatures above +40°C may lead to damages in an early stage. Therefore, in case of increased heat - temperature on the surface of the adjacent building components must be measured.
- 2.3 Tooling/ Finishing of sealant using detergents and soap are not recommended, they may reduce the chemical resistance and could lead to damages in a later stage.

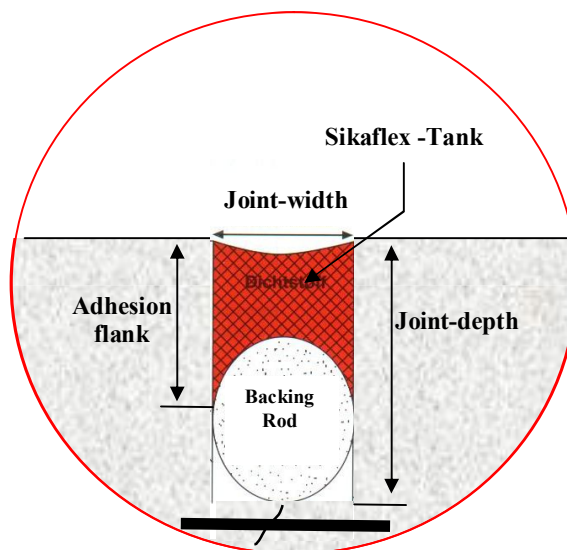
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3. Backfilling

For **Sikaflex® -Tank** use only closed cell, sealant compatible foam backer rods (e.g. high-resilience polyethylene foam rod) **Sika Backing Rod®**. Using the backer rod the depth of the joint can be limited, radius should be approx. 20% bigger than the width of the joint.

Use only blunt implements when placing backer rod to avoid damaging of the backer rod surface that could release gases into the sealant.



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4. Notes:

- At approx. 20°C full chemical and mechanical resistance is achieved after 14 days.
- Chemical exposure and joint movements more than 10% are not permitted during curing.
- Over painting of the joint is not permitted as a rule.
- **Sikaflex® -Tank** is not compatible with bitumen, natural and EPDM rubber. Direct and indirect contact is not permitted.
- Do not use **Sikaflex® -Tank** to seal swimming pools
- Slight colour deviation may occur by environmental influences (chemicals, high temperatures, UV-radiation). This does not influence the properties.

For any further clarification don't hesitate to contact Sika Egypt Technical Department.

Technical Department

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