

Solutions

The tasks involved in rehabilitating tunnels with segmental lining is extensive and requires suitable system solutions (material and technology). WEBAC offers an extensive product range for special applications in civil engineering and tunnel construction



Especially for work in confined and smaller interventions, our cartridge systems have proven their worth.

The **WEBAC QuickSet** offers a suitable material selection for the respective rehabilitation case.



Further information

In the **download area** on webac-grouts.com you will find the technical data sheets of our products.



Profit from our long-standing experience and WEBAC quality products for your success.

Do you have any questions? Please contact us!
Tel. +49 40 67057-0

WEBAC®

Our Formula – Your Solution

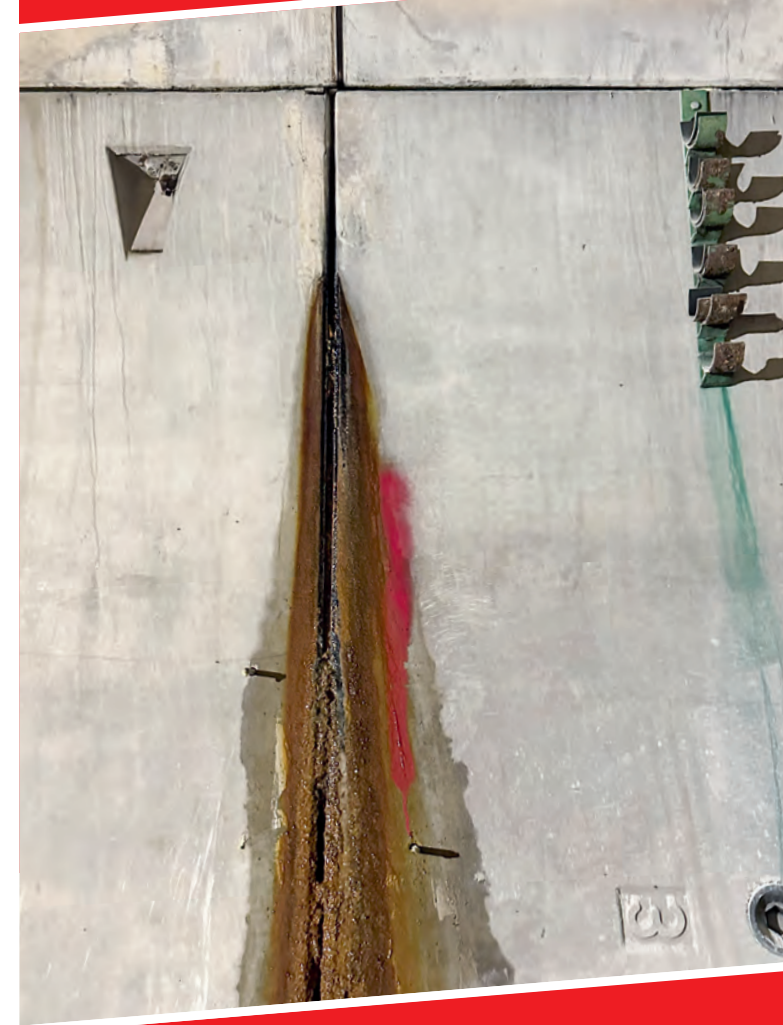
WEBAC-Chemie GmbH
Fahrenberg 22
22885 Barsbüttel/Hamburg
Germany

Tel. +49 40 67057-0
Fax +49 40 6703227
info@webac.de
webac-grouts.com

WEBAC®

Segmental Linings

Leakage repair during operation



The operation of tunnels ...

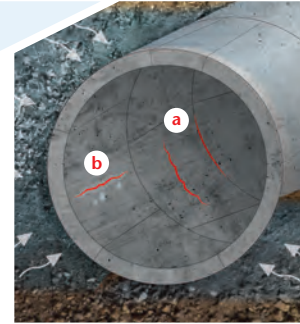
... will not go without occurrence of leakages. These leakages can occur through defects already in place during construction or developed later on during construction. Reasons can be changes in load or temperature or just normal aging effects.

This flyer provides an initial overview of possible damages and the corresponding rehabilitation measures.

INJECTION/SEALING

- a** Crack injection in concrete and masonry
- b** Injection of leaks and in case of ingress of water

WEBAC Injection Resins



BACKFILLING

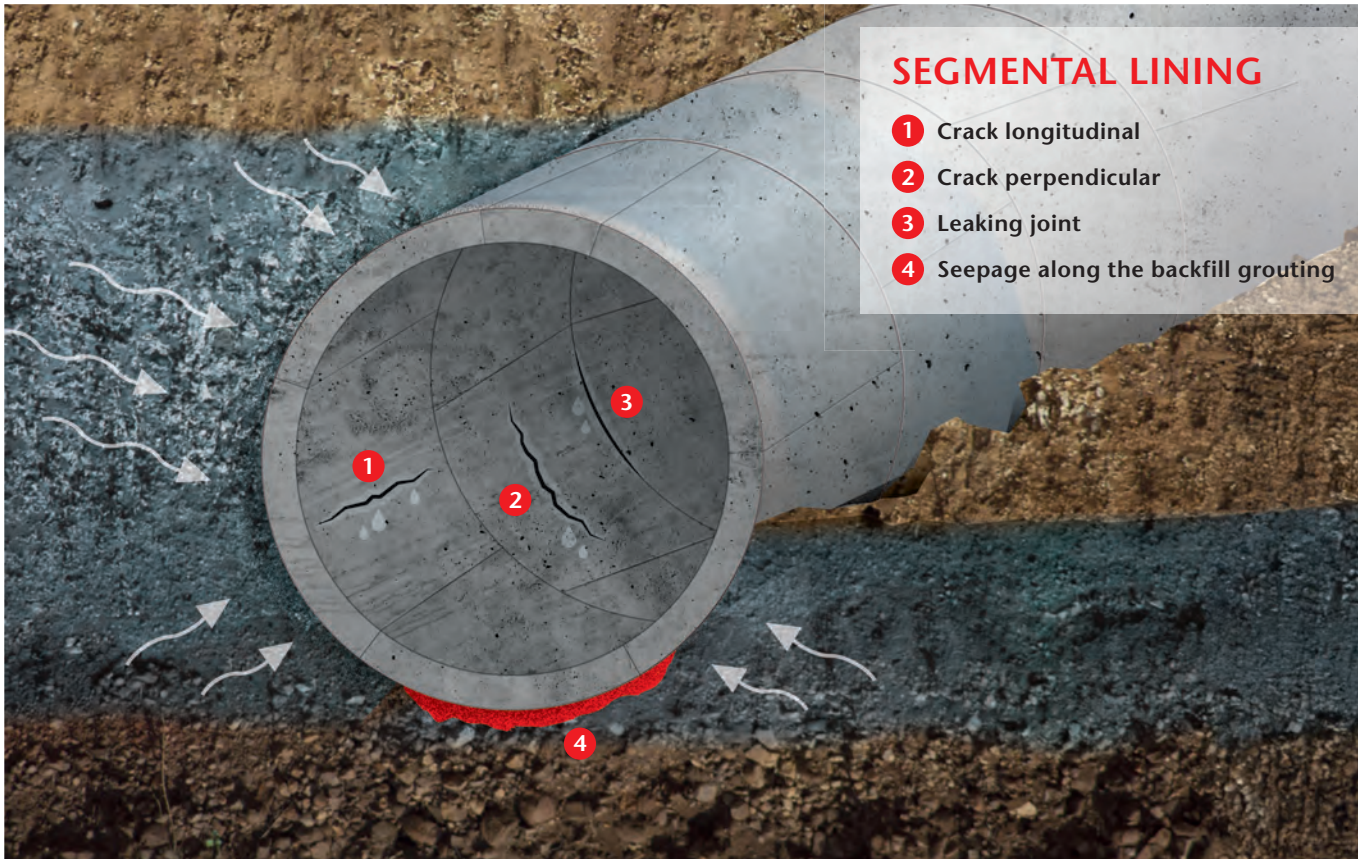
- a** Filling of cavities
- b** Curtain injection between the adjacent soil and the structural element
- c** Injection for stabilization and consolidation

**WEBAC Injection Resins,
Acrylate Gels**



SEGMENTAL LINING

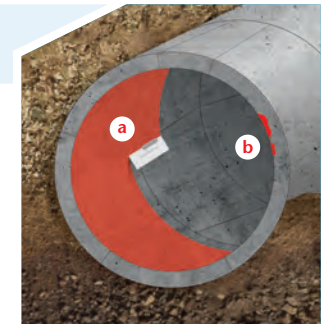
- 1** Crack longitudinal
- 2** Crack perpendicular
- 3** Leaking joint
- 4** Seepage along the backfill grouting



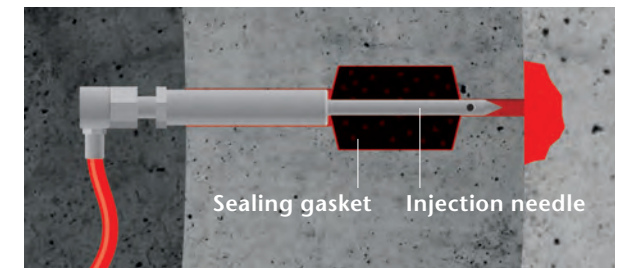
REPROFILING/ PROTECTION

- a** Application of surface protection systems
- b** Reprofiling of tunnel and shaft surfaces

**WEBAC Primers/
Coatings, Putties**



NEEDLE INJECTION WITH ACRYLIC GEL



FIVE REASONS for possible damages

→ Shrinkage ←

↕ Creepage ↕
↔ Swelling ↔

↕ Temperature ↕

Subsidence & foundation
soil deformation

↕ ↕ ↕ ↕ ↕