



**PU Solutions  
Elastogran**

**It's hard life  
underground!**

**Elastocoat®:  
repairs man-  
holes and  
protects from  
corrosion**



**■ - BASF**  
The Chemical Company

Elastocoat is the high-tech  
polyurea made by Elastogran



*Washed concrete look caused by acid corrosion in a manhole.*

**Biogenic sulphuric acid generated by the bacteria Thiobacillus in gas-sealed manholes, slurry systems or biogas plants rapidly lead to heavy concrete corrosion. Washed concrete appearance and decomposed metal components are typical signs of damage such as corrosion, crack formation and leakage. The result can be instability of the structure as well as infiltration.**

## **Elastocoat repairs and protects against attack of sulphuric acid**



*Sulphuric acid has destroyed the concrete.*

Attack by acids can be stopped by the seamlessly sprayed barrier-film of 2K Polyurea Elastocoat. Elastocoat seals long-term. Curing in seconds, the »liquid film« moulds itself to all shapes of surface achieving a trouble-free sealing of vertical surfaces. It has excellent crack-bridging properties with 400% elongation at break. The result is a high-grade and durable repair.

### **Elastocoat polyurea spray coating:**

- chemically resistant to biogenic sulphuric acids
- high degree of crack-bridging, 400% elongation at break
- outstanding tensile and tear strength
- extremely rapid curing – load-bearing after just an hour
- high tolerance to temperature and humidity during application
- seamless repair of cracks and undercuts
- outstanding adhesion to surface
- high resistance to hydrolysis and ageing
- free of solvents and catalysts



*Repaired and protected long-term by Elastocoat.*

Photos (3): WEHE GmbH & Co. KG, Neuenkirchen-Vörden

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