

StoPox TU 100: coating for tunnels

Protects concrete and ensures safety
and cost-effectiveness

Concrete repair
and concrete
protection



Tunnels

The StoPox TU 100 water-based coating protects the inner walls of tunnels against water and harmful substances dissolved in water, emissions, and wear that can be caused by regular cleaning. The surface of StoPox TU 100 is also easy to clean and less susceptible to soiling.

StoPox TU 100 – how you benefit:

- Less cleaning and maintenance work required
- Lasting protection of the building fabric
- Highly cost-effective
- Reduced lockout times
- Increased tunnel safety



The optimised surface properties of StoPox TU 100 ensure excellent cleanability – with the highest score according to EN 11998 – and maximum resistance to soiling. The water-based epoxy resin therefore extends cleaning intervals and reduces closure times for tunnels. Not only that, but it also decreases the amount of water used per cleaning operation. No chemical cleaning agents are required.

StoPox TU 100 is mechanically highly durable, carbon dioxide-inhibiting, and water vapour permeable. Its bright, non-reflective surface ensures a higher degree of safety in tunnels.

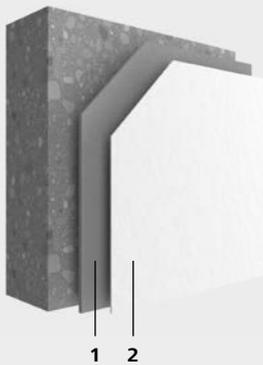
The coating also meets the requirements of an anti-graffiti system (AGS 1) in accordance with the TL/TP-ING issued by the German Federal Highway Research Institute (BASt).

The tunnel system can even be applied to load-bearing existing coatings (once compatibility has been assessed). The material can be applied manually or by machine. The varying climatic conditions that exist in tunnel structures across the different seasons were taken into account when formulating the product.

Photo caption:
Scheibengipfel tunnel, Reutlingen, DE
StoCretec expertise:
StoConcrete Protect Prime TU 100
Photo: Isabell Munck

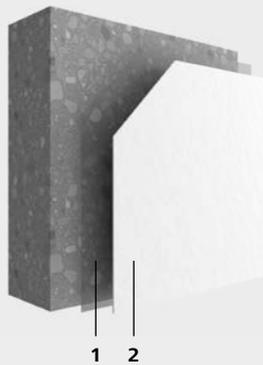
Systems

StoConcrete Protect Prime TU 100



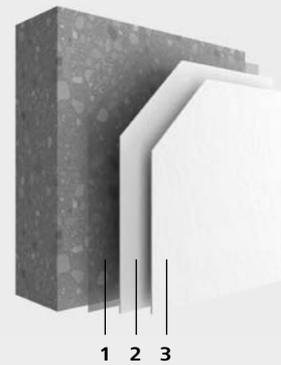
- 1 — Fairing coat: StoCrete TF 204
- 2 — Coating: StoPox TU 100

StoConcrete Protect Classic TU 100



- 1 — Hydrophobic impregnation: StoCryl HG 200
- 2 — Coating: StoPox TU 100

StoConcrete Protect Reno TU 100



- 1 — Priming coat: StoPox WG 100
- 2 — Fairing coat: StoPox WB 50
- 3 — Coating: StoPox TU 100

Properties

- Very good cleanability (classification value 0 according to DIN EN ISO 13300)
- Very low susceptibility to soiling
- Very high mechanical resistance
- Permanently prevents the penetration of water and harmful substances dissolved in water
- Good carbon dioxide impermeability (Sd value > 50m)
- Gloss value in accordance with DIN EN ISO 2813 between 40 and 60 GU
- Suitable for application manually or by machine
- Suitable for load-bearing existing coatings (once compatibility has been assessed)
- Quick and easy to rework
- Water-based
- Conforms to EN 1504-2

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