

TECHNICAL INFORMATION
SWARCOPLAST REPAIR MORTAR



SWARCOPLAST REPAIR MORTAR

Art.-No.: 52317016, anthracite grey

Art.-No.: 5231....RAL

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Important Information:

Please consider our General Terms and Conditions and the general notes of the Technical Information Sheet! No liability is accepted for any errors! The information is provided to our best knowledge and experience. This information is, however, no warranty for any properties of the material. We provide this information without obligation, also regarding the rights of third parties. The user has to make sure that the material is appropriate for the respective application.

1 Main characteristics / Fields of application

SWARCOPLAST Repair Mortar...

- belongs to the group of solvent-free, multi-component, reactive systems
- consists of two components which – through chemical interaction – form a duro plastic compound and cannot be thermally plastified thereafter
- is suitable for filling lane grooves, potholes and other damages of bituminous and concrete (primer needed) pavements
- also suitable as glue for curbstones and raised pavement markers
- applicable for height compensation of lowered manhole covers
- levelling compound for milled asphalt pavements (sprinkle grit onto SWARCOPLAST Repair Mortar)

2 Technical Data

Color	Anthracite grey, approx. RAL 7016; (other colors on request)
Density	approx. 1.87 kg/l +/- 0.1 kg
Pot life	approx. 10 – 15 minutes depends on hardener quantity added and air, material and surface temperatures
Solid content	min. 50%
Trafficability / curing time	approx. 20 – 40 minutes Depends on the climatic conditions. In general, the marking's trafficability must be checked before exposing it to traffic impact.
Solvent for cleaning	Special cleaner for marking machines (Art.-No.: 3086)
Storage stability	6 months; unmixed in sealed original packaging and sheltered from frost and direct sun exposure!
Standard packaging	SWARCOPLAST Repair Mortar: Tin container with 5/10/15/25 kg filling weight Other tin container / filling weights on request Hardener powder: PE-bags – filling weight corresponds to cold plastic quantity and mixing ratio Attention: all hardener types are organic peroxides - they must be separately packaged, transported and stored from the cold plastic in special containers (special cartons and boxes). Drop-on material: paper bags with PE-inlay – 25 kg filling weight
Identification	The regulations and instructions concerning appropriate transport, handling, storage, first aid and measures, toxicology and ecology are stated in detail in our material safety data sheets! The instructions stated on the product label and in the MSDS must be followed
Surface temperature	min. + 5°C
Processing temperature	+ 5°C to + 45°C
Relative humidity	Max. 75% (dew point spreadsheet has to be regarded)
Layer thickness	> 3.0 mm
Theoretical consumption	approx. 1.88 kg/m ² = 1 l/m ² for 1 mm layer thickness, the actual consumption depends on the applied layer thickness, type, shape and state of the surface.

5.2 Concrete and cement-bound surfaces

The pavement components in new road surfaces that prevent good bonding (fine mortar layer, concrete slurries) must be appropriately removed (e.g. with high pressure waterjet, fine mill cut or similar). We recommend conducting test applications.

Before applying SWARCOPLAST Repair Mortar on concrete or cement-bound surfaces it should be pretreated with primers:

- a. using spray technique (paint spray machine) with 2-component EP-primer (Art. No. 8609000) or
- b. manually (roller) with 2-component B71 for concrete primer (Art. No. 8010)

It is essential to have a sufficient and uniform coverage with primer in order to obtain an optimum bonding of the cold plastic and the concrete. Primer consumption may vary depending on the concrete's porosity. The humidity of concrete must not exceed 4% during the application of 2-component B71 for concrete primer. Primers based on epoxy resins are suitable for residual damp surfaces.

5.3 Bituminous surfaces

Depending on the state of damaged bituminous surfaces an all-over application of 2-C EP-Primer (Art.-No. 8609000) is recommended, which ensures appropriate bonding of SWARCOPLAST Repair Mortar.

6 Application techniques

SWARCOPLAST Repair Mortar (mixed with hardener powder) is applied evenly onto the damaged area using a screed box or trowel or other suitable tools. Apply the SWARCOPLAST Repair Mortar over the edge onto the undamaged pavement, which results in better durability. Drop-on grit material should be sprinkled onto the fresh mortar (for enhanced skid resistance properties), we recommend using 350–400 g/m² grit – Granuflo – (Art. No. 7048 0.5–1.0 mm, grey and Art. No. 7049 1.0–2.0 mm, grey; Art. No. 7051 1.0–2.0 mm coarse, black and Art. No. 7050 0.5-1.0 mm finely granulated, black).