



SWARCO LIMBURGER LACKFABRIK GmbH

Road Marking Systems



Repair mortar

TECHNICAL INFORMATION

SWARCO | First in Traffic Solutions.

Repair mortar

SWARCO LIMBURGER LACKFABRIK GmbH
Road Marking Systems

Repair mortar

Art.-No.: 52317016, anthracite grey
Art.-No.: 5231....RAL

Special application – Repair mortar for road surfaces

Version: 2018-02-20

CONTENTS

1	Main characteristics / Fields of application	3
2	Technical Data	3
3	Mixing ratio / Application technique / Hardener	3
4	Processing instructions.....	4
4.1	Preparation of material and application technique	4
4.2	Optimizing application properties	4
5	Surfaces / pretreatment	4
5.1	General information	4
5.2	Concrete and cement-bound surfaces	4
5.3	Bituminous surfaces	5
6	Application techniques	5

4 Processing instructions

4.1 Preparation of material and application technique

Repair mortar must be homogeneously stirred in its original container before processing! Then the hardener (powder) is mixed with the base component at the indicated mixing ratio, using an appropriate stirring device. Never prepare more material with hardener than is needed for the application (observe potlife).

Repair mortar is solvent-free and must be applied without adding solvent (see chapter 4.2.). The cleaning must occur before the curing of the material is complete, using special cleaner for marking machines (Art. No. 3086).

The application properties and reactivity of the material depend on the temperatures of cold-plastic, air and surface. Proper storage conditions may partly improve application conditions. The exact machine adjustments have to be made according to the manufacturer's instructions. Layer thickness and drop-on material need to be evenly distributed.

The theoretical material consumption is stated in the table "Theoretical material- and drop-on consumption" on our website.

4.2 Optimizing application properties

Pot life and curing times may be strongly influenced by material, ambient and surface temperatures. High temperature reduce pot life and curing times, low temperature will prolong them. It is possible to influence the reaction time to a certain extent by altering the hardener quantity. Never prepare more material with hardener than is needed for the application (observe pot life). For lower viscosity (e.g. low material, air and surface temperatures) add about 1% condenser (Art. No. 3044).

5 Surfaces / pretreatment

5.1 General information

The surface must be dry, clean and free from grease, oil and loose gravel and other contaminations. The surface and potentially existing old markings must be checked for their carrying capacity and compatibility with the material to be applied. In case of doubt, test applications and adhesion tests are required. Ideally, old markings should be removed with appropriate mechanical procedures.

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 millcut or similar). We recommend conducting test applications.

Before applying 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)

Repair mortar

SWARCO LIMBURGER LACKFABRIK GmbH
Road Marking Systems

It is essential to have a sufficient and uniform coverage with primer in order to obtain an optimum bonding of the coldplastic 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-comp. EP-Primer (Art. No. 80609000) is recommended, which ensures appropriate bonding of Repair mortar.

6 Application techniques

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 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 – Granuflor – (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).

Consider our General Terms of Service and the general notes in our Technical Information Sheets! No liability is accepted for any errors! The information in this document is provided based on our knowledge and experience. This information cannot, however, guarantee any properties. We pass on this information without any engagement also in relation to possible rights of third parties. The decision whether our products are suitable in a given situation lies in the responsibility of the user.