

ASPHALT REPAIR MIX

per 07/2021

high-performance, fast-setting, polymer-modified, cementitious asphalt repair mix

DESCRIPTION

Rapid Set ASPHALT REPAIR MIX is a fast-setting, polymer-modified, ready to use asphalt repair material based on special cement technology. Ideal where rapid strength, durability and low shrinkage setting are required.
ASPHALT REPAIR MIX can be applied in layer thickness from 50 - 600 mm.

APPLICATION

ASPHALT REPAIR MIX is a high-grade repair mix, ideal for fast, easy and durable repair of potholes in asphalt. For the repair of road damage, frost heave, property and garage entrances, car parks, footpaths, industrial traffic areas or also for surrounds/adjustments of road sewer manholes whereby roads closures can be kept short – reopening to traffic after 3 hours only.
ASPHALT REPAIR MIX is coloured black and provides excellent adhesion.

SUSTAINABLE CONSTRUCTION

The use of ASPHALT REPAIR MIX reduces the carbon footprint, increases the energy and resource efficiency and conserves natural resources. The production of Rapid Set Cement generates approx. 30 % less CO_2 emissions than conventional Portland Cement. The use of recycled aggregate reduces the consumption of primary raw materials.

PROPERTIES

- fast and easy application
- one-component material, mix with water only
- no bonding compound / primer required
- layer thickness from 50 - 600 mm
- fast-setting, release to traffic already after 3 hours
- anti-skid
- low tension
- mineral
- sulfate resistant
- chloride-free
- resistant against many different chemical attacks
- curing with water only
- long shelf-life

TECHNICAL DATA

Grain size	0 - 8 mm	
Colour	black	
Conventional layer thickness	50 - 600 mm	
Working time	approx. 30 minutes	
Loadable / traffic release	after approx. 3 hours	
Compressive strength [N/mm²] DIN EN 1015-11	after 3 hours after 24 hours after 7 days after 28 days	approx. 10 N/mm² approx. 15 N/mm² approx. 18 N/mm² approx. 25 N/mm²
Flexural strength [N/mm²] DIN EN 1015-11	after 3 hours after 24 hours after 7 days after 28 days	approx. 3,0 N/mm² approx. 4,0 N/mm² approx. 5,5 N/mm² approx. 6,4 N/mm²
Dynamic modulus of elasticity [N/mm²]	after 28 days	approx. 20.000 N/mm²
Static modulus of elasticity [N/mm²]	after 28 days	approx. 16.000 N/mm²
Water admixture	per 25 kg unit	approx. 2,75 - 3,25 l
Material consumption	per m² per 10 mm	approx. 19 kg

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PROCESSING

Sub-base

Clean substrate with wire brush, remove loose components and dust with suitable broom. The application surface must be clean, solid and free from materials that may affect adhesion. For maximum bond, it is recommended to clean the surface thoroughly with a high-pressure washer. Remove any standing water.

For full depth repairs, remove damaged asphalt and loose debris and cut vertical sides rectangular. Saturate the surface with water before applying ASPHALT REPAIR MIX.

Mixing

Before starting work, make sure that all personal and equipment/tools required are in place. Mix ASPHALT REPAIR MIX with the specified quantity of water for approx. 1 - 3 minutes in suitable pan type mixer until a lump-free and uniform consistency is achieved. To mix, first add water into the mixing container. Then, whilst the mixer/stirrer is running, add ASPHALT REPAIR MIX. Use less water to achieve higher strength. Do NOT exceed the maximum water admixture.

Processing

ASPHALT REPAIR MIX may be processed in traditional methods. Carry out application and compaction quickly in order to allow maximum finishing time. ASPHALT REPAIR MIX may be smoothed, floated or textured, e.g. using textured roll. Apply ASPHALT REPAIR MIX in one complete layer, i.e. not in several layers, and as uniformly as possible. Do not apply on frozen
sub-base. When compacting, avoid the entry of air voids. Temperature > 20 °C will reduce the working time, temperature < 20 °C may delay the strength development.
ASPHALT REPAIR MIX may be processed at temperature between 5°C to 30°C.

CURING

Begin water curing as soon as the surface has lost its damp sheen and keep surface wetted for one hour until the product has gained sufficient strength. At low temperatures, longer curing times may be required.

SUPPLY

25 kg special paper packaging

STORAGE

Dry, like cement. Shelf-life approx. 12 months.

HINTS This product contains cement and has an alkaline reaction with moisture/water. Therefore, protect skin and eyes. In case of contact with eyes, consult a doctor.
The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.

KORODUR International GmbH
Wernher-von-Braun-Straße 4 · 92224 Amberg
Phone +49 (0) 9621 4759-0 · Fax +49 (0) 9621 32341 · info@korodur.de
www.korodur.de