



Our Product.

PRODUCT: Cold-processable hot asphalt as a durable bituminous mixture

DESCRIPTION: **eka® repair asphalt** is a bituminous asphalt mixture produced in a hot process and basically consists of a combination of various aggregates as well as binders, which are combined into one material during the conventional asphalt production process and finally results in the desired asphalt mixture with the corresponding very good workability. The lowered temperature production process (approx. 120°C) enables the benefit and advantage of the temperature dependent behavior regarding the consistency of bitumen, which is the main contributor for the optimal viscosity degree of the final bituminous mixture and the individual additives. The lowered temperature manufacturing process contributes to the reduction of CO2 emissions and energy saving.

eka® repair asphalt consists of a continuous granulometry according to the desired AC (Asphalt Concrete) with the corresponding split sizes to be maintained according to the specification. The beneficial change in the properties of this bitumen is achieved by adding special additives in the binder, including a special type of polymerized hydrocarbon elements, which are responsible for the subsequent required overall stability of the material and for the lubricating properties between the individual aggregates. During the compaction process at the construction site, the additives change their properties and state to give the bitumen sufficient viscosity to restore the initial mechanical properties of the original bituminous mixture.

APPLICATIONS: **eka® repair asphalt** is perfectly suitable for any repairs of in road pavements (pot-holes), closing of pits, filling of gaps following paving components (e.g. manhole covers etc.), road surfaces in underground garages, sidewalks and bicycle paths, driveways, etc., as well as for construction sites with limited access, which require a corresponding individual flexible adjusted working time window as well as material storability over several days and weeks on site, which, however, cannot be realized with a conventional bituminous hot asphalt.

Compliance with the legal standards and local regulations of the legal requirements must always be observed.



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ENVIRONMENT: **eka® repair asphalt** is an environmentally friendly material, as no solvents and/or emulsifiers are used (GISCODE group: RepA20). The packaging is made of a recyclable plastic (CO2 footprint 2.24g per package). The low contamination of the workwear results in reduced consumption of water and raw material.

PROCESSING: **eka® repair asphalt** is a ready-to-use mixture which can be applied at an ambient temperature of -20°C - +50°C, regardless of the weather conditions (all-season mix). **eka® repair asphalt can also be processed hot without any problems. In this case, it must be ensured that the material is not exposed to direct flame and that the maximum permissible temperature of 100°C is not exceeded.**

For a perfect and long-lasting result, ensure that the substructure is sufficiently solid. The area to be filled and the connecting edges must be cleaned with a broom removing any loose material. The material can be applied without any problem on a wet substructure (also with standing water) without any primer.

Before opening the packaging, it is recommended to tap it slightly at its four corners and then shake it briefly so that any material that has been precompacted during transport loosens up again for an easier application.

Since eka® repair asphalt contains bitumen as a binder and because of its temperature-dependent thermo-elasticity properties, it is recommended to store the repair asphalt during the winter period before its use (e.g. overnight) in a frost-free area, as this will subsequently improve the processing significantly.

eka® repair asphalt can be applied and distributed directly from the ECO plastic bag area to be repaired without any further mixing. A superstructure of approx. 20 % to the road surface must be observed. **AC-11:** The minimum construction depth of 2 cm and the maximum of 5 cm must be considered.

AC-5: The minimum construction depth of 1 cm and the maximum of 3 cm must be considered. Both mixtures can be applied in several layers without any problems. Afterwards the asphalt has to be compacted with a hand tamper in the case of smaller repair areas or with a vibratory plate. In critical areas with high shear or torsional loads, particular attention should be paid to accurate compaction.

The repaired area can be immediately released for the traffic without additional sprinkling.

PACKAGING: **eka® repair asphalt** is available in ECOBags (15 kg) and in Big Bags (500Kg), as well as in bulk.