

AKS Coatings GmbH

Oberflächenschutzsysteme einer neuen Generation

AKS-REP

Repair mortar for humid areas

Technical information 004.01.2014

Product description:

AKS-REP is quick-setting, low-shrinkage and waterproof, tempered in plant drying mortar according to EN 998-1 due cement foundation.

Characteristics:

AKS-REP

- Targets quickly
- Is low-shrinkage
- Clings to all mineral subgrades
- Is chloride-free
- Doesn't affect reinforced steel
- Obtains very high strength value

Product application:

AKS-REP is applied as repair mortar in minerally-produced constructions (brickwork, concrete), as sealing preparations to repair eruptions, to instruct channelings and to equalize wispy roughness depth. At brickworks AKS-REP can be applied as grout.

Subgrade preparation:

The places which should be renovated and sealed, have to be clear of substances which disturb bonds and contamination. The subgrade has to exhibit solid properties. Flow places must be sealed. The repair sites should be so manufactured that the mortar can be integrated at least with a depth of 2-3cm. It is essential to ensure that the mortar anchors laterally into the flanks of the flow places. In the corner regions a channel which is about 2x2 cm big must be established in order that a channeling can be integrated. The mortar may only be integrated in humidity ranges.

Manufacture:

AKS-REP drying mortar will be blended to a bailed mass with clean water and will be introduced with a brush as bonding course into the subgrade with a thickness of about 2 mm before the repair mortar will be integrated as a clingy slurry. Subsequently, a plastic mortar will be produced out of the slurry mortar by enclosing dry powder and it will be integrated into the clingy slurry which is still adhesive. Due to the quick reaction time there should only quantities be blended which can be integrated immediately. At lower temperature the processing time can be speeded by heating the tempering water. The subgrade and material temperature must not be under 5°C.

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Please consider:

AKS-REP is a stiff and mineral product. At settlements, crack formations and movements crack formations and spalling can arise.

Cleaning:

The implements will be cleaned with tidy water.

Disposal of waste:

Material rests, container deliveries and mixing vessels have to be disposed to rule.

Disposal clues by hardened conditions:

LAGA-Nr.	31409
EWC-Nr.	170101

Storage:

In unopened original containers in dry rooms at a storage temperature between 5°C and 25°C

Storage steadiness:

At required storage in original containers

AKS-REP	12 months
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Packaging:

AKS-REP	15 kg plastic bucket
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Employment protection:

During the mixing process and the processing protective clothing like safety glasses, overalls and dust masks must be worn. It is appropriate to wear required protective gloves for the particular substances. If skin contact occurs and splashes get into the eyes one must flush with tidy water at least for 15 minutes. It is appropriate to use an eye wash bottle with a sterile solution. It should be turned to an eye doctor immediately. Please consider the safety data sheets and the appointments of the employer's liability insurance coverage to the handling with the particular substances. The safety data sheets must always be carried along and presented to the eye doctor in an emergency. **Don't eat, drink or smoke during the processing!**

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Technical data:

Material foundation cement

Colour grey

Bulk weight 1,5 kg/cm³

Green mortar:

Mixed base liquor water

Liquid requirement 0, 15 - 0, 20 l/kg

Processing time 2 minutes at 21°C

Processing temperature 5°C to 25°C

Material consumption 2 kg/l

Constant mortar:

Compressive resistance 38 N/mm² after 1 day

55 N/mm² after 28 days

Bending tensile strength 8 N/mm² after 28 days

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