

1. Product Profile

StenMix® QUICK SCA-3 is a ready to use set accelerator based on aluminium sulphate.

StenMix® QUICK SCA-3 can be used for set acceleration of all Portland cement concrete. It is especially suitable for shotcrete applications. It can be used with dry mix and wet mix. It increases early strength considerably without compromising on ultimate strengths.

StenMix® QUICK SCA-3 is available in 1400 kg IBCs and in bulk.

2. Uses

StenMix® QUICK SCA-3 can be used where a accelerated setting, hardening and strengthening of concrete is required. It is mainly used for wet mix shotcrete applications where substantially reduced hydration times are required.

StenMix® QUICK SCA-3 is used for quick application of tunnel lining, ground consolidation, slopes, embankments, surface repairs with shotcrete. It can be used for formulation of low rebound concrete, with low cracking and high strength gain in the first 24 hours. It is suitable for cold weather use.

3. Application

The recommended dosage for **StenMix® QUICK SCA-3** is 4 to 8 percent by weight of cement for shotcrete applications. For moderate acceleration lower doses can be used. The exact amount is dependent on details of the concrete design and the application requirements. Therefore, the actual amount must be determined by on site trials.

The material is mixed with wet concrete at the application nozzle. The mixing and metering must be carefully monitored at all times.

Alkali Free Set Accelerator

Highlights

- Increases the early strength of the concrete considerably
- Decreases time until initial and final setting
- Ready to use for shotcrete applications
- Compatible with other concrete admixtures
- Alkali free
- Comparable 28 days strength to unaccelerated concrete

StenMix® QUICK SCA-3 is compatible with the majority of mineral admixtures and liquid admixture. However, the interactions must be investigated with on-site trials.

4. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. Emptied packages must be handled in compliance with relevant regulations and laws.

5. Storage

The material must be kept in dry indoor storage. Recommended storage temperature is 0-30°C. Stored in these conditions, the shelf life is 6 months.

6. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim**® and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim**® products are available in specified quality

and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim**®.

Stenkim® reserves the right to update all information contained in this document without notice.

7. Technical Data

Properties	Results
Appearance - Color	Semitransparent - Colorless
Chemical Structure	Aluminum sulphate solution
Odor	Acidic
Specific Gravity	1.37 ± 0.02
pH	2.50 ± 1.00
Chloride Content	≤ 0.1%
Alkali Content	≤ 0.5 %

Stenkim® reserves the right to make changes in the values in this table at any time.