

SCREED ACCELERATOR X 4

- > High-performance additive for early readiness of cement screeds
- > Easy-to-dose
- > Improves the workability of the screed



Product description

Fluid, chloride-free, universal, accelerating additive for cement-bound screeds. Due to the liquefying effect, the addition of water can be reduced and a faster readiness for laying can be achieved. Furthermore, the consistency of the screed is positively influenced, which improves the processing in terms of trowelling and smoothing. For achieving earlier readiness for laying and especially suitable for heated screeds.

Depending on the dosing, can be covered with tiles, parquet, laminate, linoleum, PVC or carpet after only 5, 14 or 21 days.

Screeds produced with screed accelerator X 4 can be walked on and become suitable for load bearing sooner and harden with less tendency to shrink and crack.

Screed accelerator X 4 is suitable for indoor and outdoor screeds, for composite screeds that can be covered and hardened at an early stage, screeds on a separating or insulating layer and, in particular, for heated screeds.

Delivery format

Container	Outer packaging	Pallet
25 KG / KKA	-	24 KKA
5 KG / KKA	-	96 KKA

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

Processing

Recommended tools

Common devices, machines and tools for producing screeds in the trade are required.

Screed and Mortar technology

Mixing

To be ready to lay after 3 / 5 days:

Add screed accelerator X4 to the first mixing water and mix for approx. 2 minutes until a stiff plastic consistency is achieved.

For a ready to lay from 12 days:

add X4 screed accelerator to the first mixing water and mix for approx. 2 minutes until a plastic consistency is achieved.

Processing

When using screed accelerator X 4, the relevant standards must be observed. For aggregates it is mandatory to use sieve line A/B 0-8 mm for the production of screed concrete.

Cement: Minimum quality CEM II/A 42.5 R

The water binding agent value of max. 0.45 must be observed.

Do not process X4 screed accelerator at room and substrate temperatures below + 5 °C and above + 30 °C. The general guidelines for cement screeds apply for the execution. The accelerated hardening of screed accelerator X4 must be observed here.

Higher temperatures shorten the processing time, lower temperatures extend it. Never dilute screed mortar that is already tightening with water, or mix with fresh screed accelerator X4.

Technical data

Chemical base	Polycarboxylate
Density	1.1 g/cm ³
Colour	transparent yellow
Consumption	For a ready to lay from 14 days: add X 4 screed accelerator to the first mixing water 2 % of cement weight For a ready to lay from 5 days: add X 4 screed accelerator to the first mixing water 3 % of cement weight
Processing temperature	+5°C to +30°C

Substrate

Suitable substrates

The substrate must be dry, free of frost and loose parts.

Suitable for all standard insulation materials which are covered with appropriate foils, vapour barriers etc., for standard sliding layers, as well as for bonded screeds on suitable raw concrete substrates.

The substrate pre-treatment is to be carried out according to the relevant standards and guidelines.

Product and processing instructions

Important information on screed drying:

- Unfavourable climatic conditions within a building delay drying.
- High humidity leads to slower drying or re-moistening of the screed.
- Plastering and painting work can introduce moisture into the screed and affect the residual moisture.
- Too high a fine fraction in the sand slows the drying process.
- Screeds that are already ready for covering can, under certain circumstances, absorb moisture again!

Screed and Mortar technology

Heating process:

Heating can begin from day 5 following installation.

Day 5	+25°C
Day 6	+35°C
Day 7	+45°C
Days 8-11	+55°C
Day 12	+45°C
Day 13	+35°C
Day 14	+25°C

For vapour-tight floor coverings and wooden floors, after cooling for three days, the floor must be heated up to the maximum flow temperature once more, and this temperature must be maintained for 24 hours.

However, it is not guaranteed that the screed has reached the moisture content required for laying after the described heating process. A moisture measurement must be carried out using the CM device! (no deduction of measured humidity value required).

Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials to correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts or dilution instructions must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The environmental conditions significantly influence colouring.

Environmental information:

- Do not process at temperatures below + 5 °C!
- The ideal temperature range for material, substrate, and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay and lower air humidity and/or higher temperatures accelerate drying, setting, and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind, and weather!
- Protect adjacent components!

Tips:

- We highly recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.