



Chloride free concrete hardening accelerator for rapid dismantling of formworks and concrete works during cold seasons

Hardening Accelerator MO 5 (BE)

Art. – No. 30.223.

APPLICATION AREA:

- For accelerated hardening of concrete and mortar
- For increase of early strength of concrete without negatively influencing final strength
- Used for the production of unreinforced concrete for winter application
- Fulfills all requirements for a concrete admixture for hardening accelerator following EN 934-2

CHARACTERISTIC:

Hardening Accelerator MO 5 (BE) leads to an acceleration of the hydration of the cement and therefore the hardening of the concrete. Hardening Accelerator MO 5 (BE) is chloride free.

Hardening Accelerator MO 5 (BE) enables

- a rapid dismantling of formworks of unreinforced precast products between 6 and 24 hours after casting under concrete temperatures of 15 °C to approx. 25 °C.
- the necessary compression strength of the concrete (in excess of 5 N/mm²) for frost protection within a short period of time dependent on dosage under ambient temperature between -5 to -10°C (see guideline below).
- the production of flowing concrete and a smooth application with the concrete pump.

TECHNICAL SPECIFICATIONS:

Basic raw materials:	Thiocyanate, Nitrate, Plasticiser
Colour:	yellowish
Form:	liquid
pH – value:	6.5 ± 1
Density (with 20 °C):	1.32 ± 0.03 g/ml
Chloride content:	≤ 0.10 M-%
Alkali content:	≤ 8.5 M-% (as Na ₂ O-equivalent)
Fresh concrete temperature:	above + 5 °C
Shelf life:	c. 12 months
Storage:	Store away from direct sunlight and frost. Protect from impurities

DOSAGE:

Recommended dosage: 0.2 – 1.2 M-% to cement weight

Temperature:	Recommended dosage Hardening Accelerator MO 5 (BE)
+5 bis -5°C	0,6 – 0,8 to weight of cement
-5 bis -10°C	0,8 – 1,2 to weight of cement



TECHNICAL DATA SHEET

The necessary quantity of additive is based on the required concrete properties and must be established based on an initial test in accordance with BS EN 206-1.

PROCESSING INFORMATION:

- Hardening Accelerator MO 5 (BE) should be added either simultaneously with the mixing water or last of all.
- Generally ensure sufficient mixing time.
- Do not use frozen aggregates and do not concrete frozen reinforcements and shuttering
- Fresh concrete temperature when applying the shuttering – at least + 5° C
- Protect the freshly applied concrete from any rapid loss of moisture or heat, until a compression strength of at least 5 N/mm² has been reached (initiate winter construction measures)

VERIFICATION OF SUITABILITY / CERTIFICATION:

- Complies with BS EN 934 – 2 table 7: Hardening Accelerator
- Certification number of hardening accelerator: 0672 - CPD - 1110

WORK SAFETY:

- Subject to labelling „Xi“ irritant (R 36/37/38: Irritating to eyes, respiratory system and skin.)
- Not hazardous goods as defined by transport regulations
- WHC 1 (self assessment) little risk of pollution
- Please refer to the safety data sheet

FORM OF DELIVERY:

35 kg PVC can - gfn
240 kg Poly drum gfn
1200 kg Container net
Tanker delivery upon request

NOTE:

Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. External quality control is carried out at state-approved testing centers. We reserve the right to make changes that signify a technical advance. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedure must be tested for suitability with your circumstances.
EFFECTIVE: 10/15