



# KEMAZIM OC

Chloride-free hardening accelerator for concrete and additive for winter concreting

- ▶ Chloride free, harmless for steel reinforcement
- ▶ Enables concreting at the temperature of -10°C, however, the concrete is to be prepared at +5°C



<b>PRODUCT DESCRIPTION</b>	<b>Accelerates cement hardening and the rising of the hydration heat. KEMAZIM OC is a liquid admixture used in the preparation of concrete at lower temperatures.</b> <b>Plasticises, so the volume weight of the concrete is bigger, therefore, it improves waterproofness as well.</b>
<b>FIELD OF USE</b>	Meant for preparation of concretes at low temperatures. Enables concreting at the temperature of -10°C, however, the concrete is to be prepared at +5°C.

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| <b>PRODUCT PROPERTIES</b> | <ul style="list-style-type: none"> <li>• Chloride free, harmless for steel reinforcement</li> <li>• Enables concreting at the temperature of -10°C, however, the concrete is to be prepared at +5°C</li> </ul> |
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PRODUCT DATA	
<b>BASIC INFORMATION</b>	<b>Appearance</b> Light yellow liquid
	<b>Packing</b> 1 kg in bottle/ 8 kg (8x 1 kg) in carton box/ 576 kg (72x8 kg) on pallet 7 kg in in plastic can/ 672 kg (92 x 7 kg) on pallet 14 kg in plastic can/ 840 kg (60x 14 kg) on pallet 50 kg in barrel/ 800 kg (16x 50 kg) on pallet 1400 kg in plastic container
	<b>Storage and expiration date</b> 24 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions.
<b>TECHNICAL DATA</b>	<b>Density</b> 1,32-1,38 kg/dm3
	<b>pH value (20°C)</b> 6-7
	<b>Odor</b> Odorless
	<b>Chloride content</b> None
	<b>Miscibility with water</b> In any ratio





**PRINCIPLE OF OPERATION** KEMAZIM OC promotes bonding of cement and increase moisturizing heat, which reduces the risk of freezing. Enables concreting at the temperature of -10°C, however, the concrete is to be prepared at +5°C.

## INSTRUCTIONS FOR USE

**CONSUMPTION** Consumption: 1 % - 2 % of cement weight.

**INSTALLATION** KEMAZIM OC add to concrete mixture, which is diluted with water or directly into the homogenized mixture of concrete. Mixing time should be extended for at least 2 minutes, to uniformly distribute and get homogeneous mixture. By external concreting, temperature of concrete must be +5°C. Concrete must be immediately protected from frost or follow the recommendation for winter concreting.

## LIMITATIONS

**BASE TEMPERATURE** +5°C min./ +30°C max.

**AIR TEMPERATURE** -10°C min./ +30°C max.

**MATERIAL TEMPERATURE** +5°C min./ +30°C max.

- WARNINGS**
- Can be stored at a temperature of + 5 ° C. Do not freeze!
  - Exposure to direct sunlight. Do not use product if temperature of (substrate, air, mixture) is below -10 °C.

**Data source:** All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

**Local restrictions:** Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

## SAFETY DATA

KEMAZIM OC is no hazardous in accordance with Chemicals Act. We must follow general instructions for safe working with chemicals. Do not eat, drink or smoke while using this product. Wash hands after finishing work. More data on storage, handling and use of mixture can be found in the safety sheet which contains safety, toxicological and ecological data. Warnings on the original packaging should also be considered.



## LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.