



KEMAMENT L10

Universal chloride-free melamine based superplastiser

- ▶ For preparation of: concretes, mortars, and prestressed concretes, pumped concretes
- ▶ Concrete prefabricated elements
- ▶ Concretes for founding and under poured concretes
- ▶ Concretes for industrial halls
- ▶ Concretes for underwater concreting, visible concretes, light concretes and cement floor base
- ▶ For preparation of cement-based screeds with floor heating



PRODUCT DESCRIPTION **Being a strong superplasticiser, KEMAMENT L 10 absorbs on parts of cement that moist with a thin film, thus reducing the inner friction and prolonging cement mortar and fresh concrete workability. It gives thixotropic properties, which means that despite its extremely plastic consistence, it does not segregate. The mineral aggregate particles are not separated from the cement paste.**

Parts of the mineral aggregate do not separate from cement paste.

FIELD OF USE It is used for pumped concrete, concrete prefabricated elements, pre-stressed concrete, foundations etc. Also suitable as an additive for plasticization in the preparation of cement-based screeds with floor heating.

- PRODUCT PROPERTIES**
- For preparation of: concretes, mortars, and prestressed concretes, pumped concretes
 - Concrete prefabricated elements
 - Concretes for founding and under poured concretes
 - Concretes for industrial halls
 - Concretes for underwater concreting, visible concretes, light concretes and cement floor base
 - For preparation of cement-based screeds with floor heating

PRODUCT DATA

BASIC INFORMATION

Appearance Transparent to cloudy yellow liquid

Packing 1 kg in bottle/ 8 kg (8x 1 kg) in carton box/ 576 kg (72x8 kg) on pallet
 5 kg in in plastic can/ 480 kg (92 x 5 kg) on pallet
 10 kg in plastic can/ 600 kg (60 x 10 kg) on pallet
 50 kg in barrel/ 800 kg (16x 50 kg) on pallet
 1400 kg in plastic container

Storage and expiration date 24 months from the date of production, with appropriate storage in dry conditions, in the temperature range of + 5 ° C to + 30 ° C in original and undamaged packaging. More detailed and up-to-date information is available on the technical sheet at www.kema.si.

TECHNICAL DATA

Density 1,08-1,14 kg/dm³

pH - value 9-11 at 20°C

Odor Characteristic

Mixing with water Completely (at 20°C)

Dry matter content cca. 20 %

Chloride content Not contain chlorides

INSTRUCTIONS FOR USE

USE IN CONCRETE KEMAMENT L10 is dosed into the concrete preferably towards the end of the mixing process. It can also be added together with the mixing water. KEMAMENT L10 is combined with other admixtures, the different admixtures should not be premixed but added separately into the concrete. After dosage of KEMAMENT L10 concrete should be additionally mixed for 3-5 minutes.

CONSUMPTION Consumption: 1% - 2% of cement weight for preparation of concretes 2,5% - 5% of binder weight for preparation of mortars.

When preparing screeds:

0.2-0.4% by weight of cement for the preparation of soil-moist mixtures.

0.6-1.0% by weight of cement for the preparation of highly moist mixtures.

INSTALLATION Pumped concrete, precast concrete elements, prestressed concrete, foundations, slabs, floors, ceilings, walls, columns, beams, girders, underwater concrete, diaphragm wall concrete, fair-faced concrete, lightweight aggregate concrete, industrial floors and floor toppings.

IMPROVEMENT OF CONSISTENCY The dosage of 0,5-1% KEMAMENT L10 by the weight of cement improves the initial stiff consistency to plastic consistency. Initial plastic consistency is improved to standard soft consistency, and initial soft consistency yields flowing concrete when adding this dosage.

By adding 0,5 - 1,5% KEMAMENT L10 by the weight of cement, up to 20 % of the mixing water can be saved without changing the consistency.

LIMITATIONS

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

AIR TEMPERATURE +5°C min. /+30°C max.

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

- WARNINGS**
- Protect against solar radiation. Do not use the product if temperature (substrate, air, material) is lower than +5°C.
 - Product is frost resistant, therefore withstands any number of freezing/thawing cycles, to be thawed completely before use.

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.



PROOFS

**NORMS/
STANDARDS** In accordance with EN 934-2:2001, Tab. 3.1./ 3.2., no. certificate 1139-cpd-0008/03

SAFETY DATA

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.