

TECHNICAL DATA SHEET

KEMAMENT VDP

Highly concentrated admixture for waterproof concretes and screeds



PRODUCT DESCRIPTION

Field of use

The admixture is used for ready-mix, visible, pumped, self-curing and high-performance concretes and for producing concrete prefabricates, for screeds of higher strengths, for waterproof concrete structures (underground structures), piles, supporting walls, in bridge construction and in littoral areas where waterproof structures are required.

Product properties

- Water impermeability and crystallization effect of sealing
- High workability
- High initial strengths
- Improved resistance to carbonation
- Reduced shrinkage and slipping
- Improved final surface appearance
- Improved resistance to the influence of aggressive atmospheric agents

PRODUCT DATA

Basic information

Appearance	Light brown to brown liquid
Packing	10 kg in plastic cans / 600 kg (60x10 kg) on pallet 50 kg in barrel / 800 kg (16x50 kg) on pallet 1000 kg in plastic container
Storage and expiration date	12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

Technical data

Density	1,03-1,07 kg/dm ³
pH-value	6-7 pri 20°C
Odour	characteristic
Recommended proportioning:	0,2-1,5 % relating to the weight of the cement
Allowable highest proportioning:	2 % relating to the weight of the cement
Mixable with water (at +20°C)	completely

INSTRUCTIONS FOR USE

Consumption

Approx. 1,5-3,0 kg/m³
 For producing waterproof concretes 1,5 kg/m³ are recommended
 For producing the high super-plasticized concrete (or concrete with much decreased w/c factor) 2 kg/m² is recommended (if washed aggregate is used) and 3 kg/m² (if aggregate which is used in concrete is not washed). If KEMAMENT VDP is used beside other super- or hiper-plasticizers, we recommend big caution, while effect can be increased.
 For producing the screeds 1,5 – 3 kg/m² is recommended.

Mix time

Minimum time for mixing the concrete is 2 minutes (if concrete is build in immediately).
Minimum time for mixing the pumped concrete is 30 seconds, while activation of admixture is continued in transporter.

Processing note

The dosage of KEMAMENT VDP has to be defined during the initial test dependent on the desired liquefaction effect or the desired water conservation. Do not dispense KEMAMENT VDP into a dry mixture. KEMAMENT VDP has to be mixed in with water, better yet, added to the finished concrete mixture. The mixing time for dosage at the construction site is pursuant to the specific standards.

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 frost impact and solar radiation. Do not use the product if temperature (substrate, air, material) is lower than +5°C.
- At temperatures below + 5°C, crystallization is possible, this does not influence the effect when the additive is warmed and stirred before application.
- KEMAMENT VDP is compatible with all KEMA admixtures, except with KEMAMENT FM.
- To achieve the optimum effect of KEMAMENT VDP, we recommend dispensing KEMAMENT VDP after the water is added.

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.

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.