

TECHNICAL DATA SHEET

KEMACOLOR G

Synthetic-resin paint



PRODUCT DESCRIPTION

Industrially prepared coloured coating based on synthetic-resin, for indoor and outdoor surfaces, for manual or mechanical coating. Water-repellent, weather-resistant, steam-permeable and simple to use.

Field of use

Suitable as finishing layer on all basic and mineral surfaces, on old and new mineral mortars and adequately dry concrete surfaces. Available in 200 colour tones regarding colour chart.

Product properties

- Precoating with KEMACOLOR G + 20 % of water
- Weather-resistant
- Washable
- High mechanical stress and load resistance
- Hydrophobic
- Easy to work with
- Outstanding colouring properties
- Water-vapour permeable

PRODUCT DATA

Basic information

Appearance	Liquid compound in 200 colour tones
Packing	25 kg bucket / 400 kg (16x25 kg) on pallet 5 kg bucket / 240 kg (48x5 kg) on pallet
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

Type of product	Organic binders, mineral fillers, colorants, additives, water
Density	approx. 1.60 kg/dm ³
Solids content	approx. 70 %
pH value	7.5
μ value	approx. 200

INSTRUCTIONS FOR USE

Consumption

approx. 0.50 kg/m² for 1 coat of paint

Base

The examination of the plaster base must be performed according to ÖNORMs (Austrian standards) B 2230 and B 3346. The base surface must satisfy the following requirements: clean, dry, free of frost, free of dust, not water-repellent, free of efflorescence, supporting and free of loose parts.

Suitable on:

- lime/cement and cement plasters spread thin
- Concrete and other mineral base surfaces
- Mineral, silicate and latex paint and plasters with good adhesion properties.
- Lime/gypsum, gypsum/lime and gypsum plasters
- Sandwich type plaster boards

Conditional suitability on (test on trial surfaces!):

- Metal
- Wood

Not suitable on:

- Heat insulation composite systems requiring renovation
- Lime finish
- Paint and oil films, distemper and plastic

Base preparation

- Mechanically remove chalking or sanding surfaces or consolidate if applicable (depth primer, resting period: min. 12 hours!).
- Remove forming oil residues on concrete with hot steam or commercially available special forming oil removers.
- Mechanically clean surfaces with dirt/contamination and/or algae growth or treat with hot vapour or special agent.
- Mechanically remove weathered mineral paint with bad adhesion properties
- Repair damaged or cracked surfaces with stopper according to the structure

Mix ratio

Kemacolor G is ready-to-use compound.

Mix time

Mix KEMACOLOR G paint thoroughly before application.

Mix tool

For mixing use a electric stirrer.

Installation

The appropriately pre-treated base surface must be cured and dry. Prime the entire area evenly with Kemacolor G diluted with 20% water. After priming, wait at least 12 hours or more depending on the weather and then brush or roll on one to two coats of Kemacolor G paint (undiluted or diluted with max. 10% of water). Allow each coat to dry 6 hours before applying the next! If the base is not very absorbent (old coats of paint and refined plasters), a single coat may suffice. Work evenly and without interruption.

Structure of coats

- 1 x Kemacolor G paint diluted with 20% clean water (fully covering)
- 1 x Kemacolor G paint undiluted or diluted with max. 10% clean water

Tool

Kemacolor G paint can be rolled or brushed on.

Cleaning of tool

Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.

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

- The air, material and base temperature during processing and binding must exceed +5°C. Protect facade against direct solar irradiation, rain or strong wind (for instance with scaffolding netting).
- High relative humidity and low temperatures can prolong the drying time considerably and cause irregular colour changes.
- A uniform colour appearance can only be guaranteed if the products all come from a single batch.
- The development of the colour tone can be greatly influenced by the conditions of the base, the temperature and the air humidity.
- If used on thermal insulating composite systems, the brightness reference value must not be lower than 30.
- Do not mix with other coating substances.
- To avoid colour deviations, try to order the material required for the entire object all at once so it can all be produced in one batch. Sub-deliveries can naturally also be made.

Recommendation: Remains of the unhardened/unset material have to be removed in accordance with the legislation.

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

Protect your eyes and skin as well as the surroundings of the surfaces to be coated, in particular glass, ceramic, clinker, natural stone, paint and metal surfaces. If splashes occur, remove them by rinsing off the affected area with lots of water. Do not wait until the product has dried and cured.

OTHER INFORMATION

Quality assurance:

Internal quality assurance is provided by our factory laboratories. Our system of regular production checks is externally controlled by an approved institute.

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.