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Label: **TL_Pur_Fin_7000_komp_A**
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TECHNICAL DATA SHEET

KEMAPUR V 7000

Transparent polyurethane varnish, shiny



PRODUCT DESCRIPTION

2-component transparent polyurethane resin, meant for varnish-over and protection of epoxy or polyurethane floor. Because of its characteristics it improves elasticity, chemical and wear resistance of floor.

Field of use

It is intended for suitably prepared substrates in buildings which are exposed to mechanical and chemical loads, for example warehouses, laboratories, food industry, production plants, etc. Fully cured it displays a shiny surface, which is well UV, mechanical and chemical resistant and is easily cleaned.

Resin for final layer in all KEMA FLOORSYSTM´s as final shiny polyurethane varnish.

In accordance with numbers of layers it can display, when cured, both extremely smooth or a non-skid surface.

Product properties

- For additional protection of epoxy fl oors
- Colours: transparent, shiny
- Pot life: approx. 100 min (100 g at +23°C)
- Mixing ratio: A:B=2:1 (w / w)
- For outdoor and indoor use
- UV resistant
- Elastic

PRODUCT DATA

Basic information

Appearance	Two component polyurethane flooring system
Packing	6 kg in steel buckets (4 kg component A and 2 kg component B)
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	Transparent polyurethane. Solvent based
Density of mix (at 23°)	1,0 g/cm3
Minimum temperature of processing	+15°C
Ready for foot traffic	3 h (at 23°C)
Final curing time	7 days
The maximum layer thickness	100 µm

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INSTRUCTIONS FOR USE

Consumption	approx. 0,1-0,25 kg/m^2 in single coat
Base	The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. The concrete substrate must be sound and of sufficient compressive strength (minimum 25 MPa) with a average pull off strength of 1.5 MPa (minimum measured value has to up to 1,0 MPa). Moisture content in substrate has to be up to maximum 4% (CM method, concrete mark MB at least 35)
Base preparation	Clean cracks and hairline cracks, of dust, residue or other contamination. Fill all cracks with suitable putty. The next day smoothen the putty surface with a sandpaper or a mechanical grinder. Repairs to the substrate, filling of blowholes/voids and surface levelling can be carried out (if necessary) using appropriate products from the KEMA program (for example KEMAPOX GRUND or KEMAPOX/KEMAPUR FILL products). The concrete or screed substrate has to be primed or levelled in order to achieve aneven surface. High spots must be removed by e.g. grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.
Mix ratio	A:B=2:1 (rate of components A and B)
Mix time	Mix together the A and B components. Pour component B into part A and mix until homogenous mixture is reached. When mixing, move the paddle in a circular pattern with an up-and down motion. If smaller quantity of mixture is to prepare, use separate mixing container, which must be clean and free of dirt, oil, grease, or other contaminants. For weighing of smaller amounts use digital weighing machine, with precision +/- 0,001 kg. Consider mix ratio: 2 parts by weight of A component and 1 part by weight of B component.
Mix tool	KEMAPUR V 7000 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.
Installation	KEMAPUR V 7000 is used as final polyurethane coat onto sufficient prepared substrate. Over concrete can be applied in one layer. Mixed polyurethane coat pour onto prepared substrate and spread equally on substrate with a roller or brush.
Tool	For spreading the paint roller or brush is to used.
Cleaning of tool	Clean all tools and application equipment with polyurethane solvents immediately after use. Hardened and/or cured material can only be removed mechanically.
Coagulation	approx. 7 days

LIMITATIONS

Base temperature	+10°C min./ +30°C max.
Air temperature	+10°C min./ +30°C max.
Material temperature	+15°C min.
Warnings	• Protect fresh install poliurethan resin from freezing, raining and other weather conditions. Use product in temperature more then +8°C. • For the good quality of the coat the suitable and equable temperature and humidity are very important. In case of high humidity it can NOT be applied! • Maximum moisture content in substrate can be 2% (on concrete with mark MB C30/37, CM method) • Recommended application temperature above +15°C • Do not wash surface with water! • Resins come in two parts, therefore must be mixed in the precise ratio given in the manufacturer's instructions. • Freshly applied KEMAPUR V 7000 should be protected from damp, condensation and water for at least 24 hours. • If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO2 and H2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems. • For external applications, apply on a falling temperature. If applied during rising temperatures “pin holing” may occur from rising air.

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

While dealing with polyurethane, please consider the safety precautions mentioned in the risk and safety phrases. Avoid pollution of the unprotected skin – wash off with warm water and soap, if necessary. Wear protective clothing and use barrier cream before starting your work, please!
See also safety data sheets.

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.