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## Composition

Mixture of acrylic resin solution and special additives in organic solvents.

## Characteristics and use

The transparent varnish is intended for transparent coating of cast resin floors and other decorative floors. It is used to cover and fix coloured chips or other decorative elements intended to complete impressive design of floors while not changing appearance of the applied ground. It can also be used separately for non-ferrous metal substrates (galvanized zinc, copper, aluminum) and wooden surfaces. Before use the varnish is mixed properly with the hardener in specified ratio.

- ◆ excellent adhesion to various floor systems
- ◆ high hardness of the coat
- ◆ high mechanical resistance of the coat
- ◆ high chemical resistance of the coat – e.g. weak solutions of acids and lyes, diesel, motor oil, alcohol, coffee
- ◆ suitable for indirect food contact
- ◆ TELPUR C100 meets the requirements on anti-slip surfaces when dry

## Shades

Transparent in two variants:  
000L – glossy, 000M – matt

## Physical properties

Flow time	40 - 50 s (cup Ford Ø 4 mm) (product)
Flow time	70 - 80 s (cup Ford Ø 4 mm) (hardened mixture)
Weight solids	> 45 % (product); ≥ 48 % (hardened mixture)
Volume solids	ca 40 % (product); ca 45 % (hardened mixture)
Flash point	> 24 °C
Density of product	960 - 980 kg/m <sup>3</sup>
Density of hardened mixture	980 - 1000 kg/m <sup>3</sup>

## Emission limits

VOC: 0.50 – 0.52 kg/kg	TOC: 0.41 – 0.42 kg/kg
This product is for professional use only. Not for DIY.	

## Properties of cured coat

Gloss / 60°	at least 90 / GLOSS less 20 / MATT
Hardness / Persoz	up 50 % in 3 days / GLOSS up 35 % in 3 days / MATT
Slip/skid resistance of a surface	complies with requirements

## Drying time

Surface temperature	23 °C
Dust free	2 h
Dry through	5 h
Dry film thickness DFT	50 µm

## Spreading capacity

Wet film thickness WFT	110 µm
Dry film thickness DFT	50 µm
Theoretical spreading capacity	9.5 m <sup>2</sup> /kg

## Thinning

TELSOL PUR 3, U 6003 (mainly for cleaning tools)

## Hardening

Hardener: TELHARD PUR

**Mixing ratio:** 100 weight parts TELPUR C100 / 000L : 22 weight parts TELHARD PUR  
100 weight parts TELPUR C100 / 000M : 18 weight parts TELHARD PUR

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The pot life of the hardened mixture is 2 hours (20 °C).

<b>Surface preparation</b>	<p>Concrete floor provided with TELPOX F200 coat on which special coloured chips can be evenly distributed. The chips are to be scattered to the applied though non-hardened TELPOX F200. Before the varnish is applied, TELPOX F200 shall be fully hardened and the floor shall be dry, clean and free from loose coloured chips.</p> <p>The timber surface shall be clean, dry, well smoothened, with max. 12% humidity and free of resin residues. The metal surface must be clean, dry, degreased, free of rust and dust, mechanically cleaned.</p> <p><b>Attention:</b> A direct adhesion cannot be taken as garanted due to most different kinds of metals, alloys, metallic and conversion coatings and so on. The adhesion must therefore be tested on the original metal substrate.</p>
<b>Application conditions</b>	<p>The varnish shall be mixed properly before application to avoid deposits on the bottom. Thin down or filter as required.</p> <p>Minimum air and substrate temperature must be 10 °C, maximum 40 °C during application and the entire drying time. The optimum application temperature is 18 °C to 23 °C and the relative humidity is 40 to 70%. Lower temperature and higher relative humidity during the application and drying and excessive thickness of the applied film significantly decelerate the drying and hardening process of the coat film.</p>
<b>Workflow</b>	<ol style="list-style-type: none"><li>1. Apply 1 coat of TELPOX F200</li><li>2. Evenly spread the colored chips into a still uncured material TELPOX F200</li><li>3. Apply 1 or 2 coats of TELPUR C100 varnish. At standard conditions 23 °C / 50 % relative humidity, the varnish is applied 12 hours after TELPOX F200 application</li></ol>
<b>Optimal thickness of system</b>	<p>The optimal film thickness allows perfect cover of protruding parts of coloured chips, if they are used, and shall not be less than 50 µm DFT.</p>
<b>Application</b>	<p>Best by roller (velour), without thinning</p>
<b>Handling</b>	<p>Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace.</p>
<b>Packing</b>	<p>GLOSS 000L: 2.2 kg (non-hardened product) MATT 000M: 2.7 kg (non-hardened product)</p>
<b>Storability</b>	<p>The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class.</p>
<b>Disposal of packing and waste</b>	<p>Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see the product safety data sheet.</p>

These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

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