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### Description

KONTURPLAST white is two-component solvent-free cold plastic for thick-layer horizontal marking heavy and high-intensity traffic areas, such as pedestrian crossings, compulsory and conditional stop lanes, guide and direction arrows, and separating and side strips.

Plastic is designed for Type I marking in smooth form, or Type II marking in structured form.

Scope of supply of Konturplast cold plastic includes cold plastic and hardener. Hardener serves as a catalyst which causes curing of plastic. To obtain reflective effect, it is necessary to drop glass beads onto cold plastic immediately after application.

### Application

Marking made with KONTURPLAST cold plastic white offers many safety benefits, including good visibility at night time. It also has good base adhesion, does not crack during operation and is resistant to sunlight, water and sodium chloride solution.



### Certificates

The production plant is certified according to ISO 9001:2015.

KONTURPLAST cold plastic white has the following certificates:

National Technical Assessment:

IBDiM-KOT-2021/0642 issue 2

National Certificate of Constancy of Performance No.: KCSWU No. 052-UWB-079/1

### Technical parameters

Colour	White
Density	1,87-1,97 g/cm <sup>3</sup>

### Conditions of use

Air temperature:	from +5 °C to +35°C
Road temperature:	from +5 °C to +45 °C
Relative air humidity:	max. 80%

### Consumption

In case of Type I marking using KONTURPLAST cold plastic white involves its use in the amount of 5.0 kg/m<sup>2</sup> with a sprinkling of STEKLOSFERA 840-400AC or SWARCOFLEX 300-850 T18 glass beads in the amount of 0.40 kg/m<sup>2</sup>.


In case of Type II marking using KONTURPLAST Cold plastic white involves its use in the amount of 3.0 kg/m<sup>2</sup> with a sprinkling of STEKLOSFERA 840-400AC or SWARCOFLEX 300-850 T18 glass beads in the amount of 0.40 kg/m<sup>2</sup>.

In case of full or structural marking Konturplast cold plastic is applied in 1.5 - 5 mm thick layer due to its consumption ranging from 2.96 kg/m<sup>2</sup> to 9.85 kg/m<sup>2</sup>.

### Application

#### Surface preparation

The surface must be clean, dry, free from grease and any other contamination that would impair its adhesion. In the case of new surfaces, before the application of the product, the surface must be used in road traffic for a period of at least 4-8 weeks in order to stabilize the bituminous mass (remove any residues of flux oils by running them down, washing them off). A supporting factor in this period is the occurrence of at least one heavy rainfall. During the transitional period, we recommend making temporary markings. Earlier application of the material is

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associated with the risk of reducing the durability of the markings. It is not recommended to use the product on tar-like substrates due to the possibility of yellowing.

The weather conditions during the application of the material are of key importance. It is unacceptable to use the product in the presence of fog or dew.

#### Application

KONTURPLAST cold plastic white can be applied by hand with the use of spatula or automatically by self-propelled machine.

When applying on paved or cement-concrete surface, KONTUR PRIMER should be used.

In order to obtain the reflectivity of the road markings made with the Konturplast cold plastic, it is necessary to sprinkle it with glass beads within 5 second after painting.

The granulation and recommended consumption of sprinkling (reflective material) are determined for the given wet film thickness of the product and are indicated on the proper certificate.

#### Mixing with hardener

The mixture is prepared immediately before use: cold plastic (component A) + hardener (component B) in a weight ratio of 98:2. After component A has been thoroughly mixed, mix in the correct amount of component B with a slow running mixer without leaving any lumps. Use up immediately. It is not allowed to dilute the product with water or organic solvents.

#### Workability time / Drying time

The mixture should be distributed within a maximum of 10 minutes (higher temperatures shorten the workability  
 Drying time: ≤ 20 min at 23°C. Trafficability is achieved after approximately 20 to 30 minutes from application, depending on the ambient temperature and the amount of hardener used. Depending on the weather conditions and the properties of the substrate, plastic and drying times may vary. It is shortened at high temperature and lengthened at low temperature. Markings should always be checked for dryness prior to entry into service.

Air temperature, °C	Hardener, % (m/m)	Start of drying time, min	End of drying time, min
10	3	14	45
20	2	10	30
23	2	8	20
30	1	7	18

From a chemical point of view, the mixing ratios shown are equivalent and allow the same technical properties and results to be obtained.

#### Cleaning

After application, the machine and tools should be cleaned before final hardening. Use KONSOL solvent as cleaning agent.


#### Safety rules

During works, general health and safety rules, fire safety regulations in this area, and recommendations regarding precautionary measures in accordance with the technical data sheet of the product must be observed.

#### Packages

##### Cold plastic (ingredient A):

White colour: 20 kg, 35 kg **Hardener (ingredient B):** powder or liquid

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#### Transport

Konturplast cold plastic red: ADR/RID UN -NR 1263 Packaging group II  
Powder hardener according to section 14 of the safety data sheet .Liquid hardener according to section 14 of the safety data sheet. Follow the safety instructions in the safety data sheet and on the label.

#### Storage

Store in original, tightly closed packages, away from heat or fire, at temperatures from 5°C to 35°C, and protect against direct sunlight.

#### Storage life

9 months from the date of production for the product stored in accordance with the manufacturer's instructions.

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