



## THERMOPLASTIC FOR HORIZONTAL ROAD MARKING



**Thermoplastic paint - based on hydrocarbon resins for high temperature application**

**For External application**

### Use:

- Long lasting and thick coating (3- 8 mm) marking of roads and highways, airplane tracks, parking areas, children and sports areas with asphalt and concrete pavement. It complies with the special requirements of road structures;
- Applied as melt (about 200°C) and gets hard very fast, that is why it is suitable for most heavy traffic of city road network, mostly pedestrian roads, stop lines, arrows and other wide area markings.

### Properties:

- Complies with EN 1871: “Materials for road marking. Physical characteristics.”
- Excellent exploitation properties, which ensure very good conditions for the traffic safety;
- Content of glass beads not less than 20 % class A;
- Quick drying –traffic release after 30 min
- High wear resistance;
- Good elasticity in high temperature range (from -20 to 40 ° C);
- High coefficient of cohesion;
- Resistance to gasoline and water;
- Resistance to alkali
- Does not contain organic solvents
- Easy and waste free applying technology –melts with the packaging.

### Classification:

Meets the requirements of Bulgarian legislation.

## CHARACTERISTICS

### INDEXES

### NORM

**Strength factor ( $\beta$ ):**  
(EN 1871)

$\beta = 0,80$  % class LF6- for white colour  
 $\beta = 0,40$  % class LF 1 – for yellow colour

**Alkali resistance:**  
(EN 1871)

No changes in the appearance



<b>Flash point in open pot after Kliveland:</b> (BNS ISO 2592)	min 225°C
<b>Melting temperature:</b> (BNS ISO 4625)	min 100°C
<b>Skid resistance:</b> (EN 1436)	min 50 SRT units
<b>Resistance to surface friction, weighing loss, after 100 tutnovers:</b> (MKS.Z.S <sub>2</sub> .240)	max 50 mg
<b>Consumption:</b>	6 kg/m <sup>2</sup> at dry film thickness 3 mm.
<b>Drying:</b>	At exploitation thickness of the dry coating of 3 mm, depending on environmental temperature, dries for 10 – 15 min. It is recommendable to release traffic after 30 min. mm.
<b>Colours:</b>	It is produced in 2 main colours – white and yellow.
<b>Package:</b>	Polyethylene packages of net weight of: 20 kg, 25 kg.
<b>Storage:</b>	Storage temperature – up to 35 <sup>0</sup> C. Store in original, tightly closed packages in closed and dry warehouses, away from direct sunlight and heating appliances! Keep out of the reach of children! Shelf life: 24 months from the production date in fabrically closed package.
<b>Dilution:</b>	Do not dilute.
<b>Preparation for work:</b>	The surfaces should be dry and clean from dust and heavily oils.
<b>Application devices:</b>	Specialized road marking equipment. As exception – manually.
<b>Application temperature:</b>	200 – 220°C
<b>Cleaning up of the instruments:</b>	With UR Thinner and AK Thinner.
<b>Application conditions:</b>	Works in dry time at temperature 5 <sup>0</sup> C to 35 <sup>0</sup> C.
<b>Suitable substrates:</b>	<ul style="list-style-type: none"><li>• Asphalt and concrete surfaces;</li><li>• For other bases, please consult with us.</li></ul>
<b>Unsuitable substrates:</b>	<ul style="list-style-type: none"><li>• Wooden surfaces;</li><li>• Ferrous and non-ferrous metals.</li></ul>

**Preparation of the substrate:**

- Cleaning from mud and dust;
- Removing of oily stains with UR Thinner/ AMV Thinner/ MRT Thinner;
- Drying of the painted surfaces.
- Priming of the concrete surfaces with Deko Professional Specialized primer for horizontal road marking.

**Application system:**

<b>Substrate</b>	<b>Asphalt and concrete surfaces</b>
<b>Finish coating</b>	Deko Professional Thermoplastic for road marking

**Hygiene and safety work:**

Deko professional Thermoplastic paint for horizontal road marking is classified as harmful and fire hazardous product. When applying (melting) it, the requirements for fire safety and production hygiene must be kept.

If necessary – refer to the Material Safety Data Sheet.

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The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

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