



TWO-COMPONENT COLD PLASTIC FOR HORIZONTAL ROAD MARKING (system 100:2)



Two-component cold plastic for asphalt and concrete road pavement

External application

Use:

- Marking of roads and highways parking areas, children and sports yards, with asphalt and concrete surfaces, without priming of new asphalt pavements or priming with Deko Professional Specialized Primer for Horizontal Road Marking of old asphalt and concrete coatings. Product complies with special requirements for road constructions.
- Marking of most intensive traffic areas of city roads network, mostly pedestrian crossings, stop lines, arrows and other large areas markings. It dries very quickly that is why the traffic is limited for shorter period of time.
- Produced in two variants: “T” – for full coating “R” – for relief coatings (economical).

Properties:

- Complies with EN 1871:2004 “Materials for road marking. Physical characteristics”;
- Excellent exploitation properties, which ensure very good conditions for the traffic safety;
- Content of glass beads, class A – not less than 35 %;
- Quick drying –traffic release after 60 min;
- High resistance to wear;
- Good elasticity in high temperature range (from -20 to 40 ° C);
- High coefficient of cohesion;
- Resistance to petrol and water;
- Free of organic solvents.

Classification:

Meets the requirements of Bulgarian legislation.

CHARACTERISTICS

INDEXES	NORM	
	VARIANT “T”	VARIANT “R”
Viscosity Brookfield at (23±0.5)°C: (ISO 2555)	min 6000 mPa.s	min 9000 mPa.s,



Complete drying time at (23±2)⁰C after addition of 2% of Hardener : (BSS EN 29117)	max 30 min																								
Viability of the mixture after addition of 2% of hardener at (20±2)⁰C:	min 10 min																								
Resistance to surface wear with “TABER”, weight loss after 1000 revolutions: (БДС 14120)	max 30 mg																								
Resistance to sliding: (EN 1436)	min 45 SRT units																								
Alkali resistance: (EN 1871)	Without changes in appearance																								
Factor of brightness (for white colour): (EN 1871)	min 0,75(class LF 5)																								
Consumption rate:	Variant “T”: 4 kg/m ² for dry film thickness approx. 2 mm; Variant “R”: 2 - 3 kg/m ² for dry film thickness approx. 2 - 4 mm.																								
Drying:	Gets dry for 30 min on exploitation thickness of dry coating 2 mm, depending on ambient temperature. It is recommended to start the traffic after 60 min. Mixture viability 10 min.																								
	<table border="1"> <thead> <tr> <th>Temperature (°C)</th> <th>Hardener (%)</th> <th>Viability (min)</th> <th>Drying timer (min)</th> </tr> </thead> <tbody> <tr> <td>+ 10</td> <td>2</td> <td>18</td> <td>50</td> </tr> <tr> <td>+ 20</td> <td>2</td> <td>10</td> <td>30</td> </tr> <tr> <td>+ 20</td> <td>1</td> <td>15</td> <td>35</td> </tr> <tr> <td>+ 30</td> <td>1</td> <td>8</td> <td>20</td> </tr> <tr> <td>+ 30</td> <td>0,5</td> <td>12</td> <td>30</td> </tr> </tbody> </table>	Temperature (°C)	Hardener (%)	Viability (min)	Drying timer (min)	+ 10	2	18	50	+ 20	2	10	30	+ 20	1	15	35	+ 30	1	8	20	+ 30	0,5	12	30
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Colours:	Produced in 4 main colours: white, yellow, red and blue.																								
Packaging:	Metal packaging in net weight 30 kg. It is packed together with hardener, packed in polyethylene packaging in 0,600 kg.																								
Storage:	Storage temperature – up to 30 ⁰ C. Store in original, well closed packaging in sheltered and dry storage areas, away from direct sunlight and heating appliances! Keep away from children! Shelf life: 6 months from date of production in fabrically sealed packaging.																								

Dilution:	No dilution.
Application tools:	Mainly by specialized road-marking equipment and manually by pallets.
Cleaning of instruments:	By UR Thinner/AK Thinner.
Application conditions:	Work in dry weather at temperatures from 5 ⁰ C up to 35 ⁰ C.
Application method:	<ul style="list-style-type: none"> • On machine application automatically to cold plastic is dozed 2 % of hardener. • On manual application preliminary to the plastic is added 2 % hardener an it is well homogenized; • Mixture has limited viability: approximately 10 min at(23±2)⁰C; • Product viability decreases at higher temperature and larger quantity (do not mix more than the quantity, stated on the label for the viability of the product).
Suitable bases:	<ul style="list-style-type: none"> • Asphalt and concrete surfaces (primed or not primed); • For other bases please consult with us.
Unsuitable bases:	<ul style="list-style-type: none"> • Wooden surfaces; • Ferrous and non-ferrous metals.
Preparation of the base:	<ul style="list-style-type: none"> • Cleaning from mud and dust; • Removal of oils stains with Thinner UR/ Thinner AMV and MRT Thinner; • Dry wet surfaces; • Priming of the worn out asphalt and concrete pavements with Deko Professional Specialized Primer for road marking.

Application system:

Base	Asphalt and concrete surfaces
Priming	Deko Professional Specialized primer for horizontal road marking (for old asphalt and concrete pavements)
Finishing coat	Deko Professional Two component cold plastic for horizontal road marking (system 100:2)

Labour safety and hygiene:

Deko professional Two component cold plastic for horizontal road marking (system 100:2) is classified as irritating and fire hazardous product. When applying it should be kept the requirements for fire safety and production hygiene. If needed – refer to the Safety Data sheet.

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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