

## PLASTMAL STRUKTURA white

### Two-pack material for thick-coat road marking

Symbol : 24.30.22-55.77

Standard: WT-1037-2007

Certification: IBDiM technical approval No. AT/2007-03-2154  
PZH B-545/96

<b>Properties:</b>	PLASTMAL STRUKTURA chemically cured material is a solvent free product based on methacrylate resins with a high solid content. Reflective micro beads form part of the material.																								
<b>Range of application:</b>	<p>PLASTMAL STRUKTURA is used for permanent thick-coat road marking of areas with heavy traffic (city centres, pedestrian crossings, crossroads etc.)</p> <p>The upper parts of the structural marking where side surfaces are present effectively reflect the light of vehicle headlights even in the worst weather conditions at night, in fog and on wet roads.</p> <p>High roughness is a characteristic feature of markings made using Plastmal Struktura which is the result of the roughness specific for the material itself which is additionally made stronger by employing a special additive.</p>																								
<b>Application methods:</b>	<p>The material is applied by an application machine by speckling the marking on the substrate which produces a very desirable effect.</p> <p>A structure which is irregular in terms of thickness and continuity, and in places does not cover the substrate, allows for the marking to be seen during rainfall thanks to quick water removal.</p>																								
<b>Consumption:</b>	Around 2.5-3,5 kg/m <sup>2</sup> depending on the application method.																								
<b>Functional properties:</b>	<p>PLASTMAL STRUKTURA is a two-pack cold chemically cured material. It is solvent free and has a high solid content. Reflective glass beads form part of the material. The product is composed of component A - material and component B - U-30 peroxide hardener for road markings. The mixture is prepared shortly before application. The amount of component B added depends on the air temperature. To make the coat reflective upon application it is necessary to apply glass micro beads or a mixture of glass micro beads and a roughening agent immediately after the material is applied. The beads contained in component A ensure that reflectivity is maintained at a constant level at later periods of the coating's use.</p> <p><b>General technical information:</b></p> <table border="0"> <tr> <td>Colours</td> <td>white</td> </tr> <tr> <td>Density in 20°C</td> <td>[g/cm<sup>3</sup>] 1,87÷1,95</td> </tr> </table> <table border="0"> <thead> <tr> <th>Component A to B weight ratio [%]</th> <th>Air temp. [° C]</th> <th>Time before mixture can be applied [min]</th> <th>Time before traffic can be resume</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>14</td> <td>45</td> </tr> <tr> <td>1</td> <td>20</td> <td>14</td> <td>35</td> </tr> <tr> <td>1</td> <td>30</td> <td>8</td> <td>20</td> </tr> <tr> <td>0,5</td> <td>40</td> <td>7</td> <td>20</td> </tr> </tbody> </table>	Colours	white	Density in 20°C	[g/cm <sup>3</sup> ] 1,87÷1,95	Component A to B weight ratio [%]	Air temp. [° C]	Time before mixture can be applied [min]	Time before traffic can be resume	2	10	14	45	1	20	14	35	1	30	8	20	0,5	40	7	20
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<p><b>Application method:</b></p>	<p>PLASTMAL is to be applied onto a dry, clean, dust, sand and grease free bituminous or concrete substrate. Before application, the contents of the packaging have to be carefully stirred to obtain a uniform consistency. Afterwards, slowly add the hardener and stir everything all at the same time. Once a uniform mass is obtained it should be immediately applied. The recommended film thickness is 1.5 to 3.0 mm. Such a thickness ensures optimum coating performance during use. The marking is to be applied at an air temperature range of 5-35°C and at a relative humidity of the air not exceeding 80%. The temperature of the substrate cannot be lower than +5°C. The paint cannot be applied when the air is clearly humidified i.e. in conditions of rain, fog or dew. To give the marking reflective properties, glass micro beads have to be applied immediately after application. 250-300g of beads should be applied on each square meter. The recommended glass bead types: 100-600H, 125-630 T or 125-850 from Interminglass Co. Ltd or Sovitec. Once work is completed, tools used during application need to be cleaned with “Cleaning solvent for road marking equipment”</p> <p>ATTENTION! Prepare an amount of the material with the hardener which will be used up not later than within 15 minutes. Otherwise, the material may harden in the bucket.</p>
<p><b>Packaging:</b></p>	<p>18 kilogram metal buckets.</p>
<p><b>Warranty:</b></p>	<p>9 months from the production date if stored in its original packaging and not exposed to direct sunlight.</p>
<p><b>H&amp;S and fire safety guidelines:</b></p>	<p>The paint is highly flammable and contains hazardous acrylic monomers, that is why during application, general H&amp;S and fire safety regulations have to be followed . In particular it is forbidden to smoke cigarettes or consume food during application. The paint has to be stored in tightly sealed packagings, away from any sources of fire, heat and direct sunlight exposure. For more detailed information refer to the Material Safety Data Sheet.</p>

## **PLASTMAL STRUKTURA white**