

## PLASTMAL – yellow, red, blue, black, green.

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

Symbol : 24.30.22-55.77

Standard: WT-1036-2007

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

<b>Properties:</b>	PLASTMAL “colours” 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>	PLASTMAL “colours” is a two-pack product used in traditional trowel applications at a 98:2 ratio.																															
<b>Application methods:</b>	The material is applied using special road marking equipment, so called Plastomarkers or using 1.5-3mm stencils. As Plastmal “colours” does not spill over, it is useful to apply markings using adhesive tape. Once the surface to be painted is taped over, the material then has to be spread with a trowel and the tape then removed before PLASTMAL “colours” is left to dry.																															
<b>Consumption:</b>	Around 3 kg/m <sup>2</sup> with a coat thickness of 1,5mm, in case of very uneven substrates consumption may rise significantly.																															
<b>Functional properties:</b>	<p>PLASTMAL “colours” 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 - coating 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 coarsening 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 colspan="3">yellow, red, blue, black, green</td> </tr> <tr> <td>Density in 20°C</td> <td>[g/cm<sup>3</sup>]</td> <td colspan="2">1,85÷1,95</td> </tr> </table> <table border="0"> <thead> <tr> <th>Component A to B weight ratio [%]</th> <th>Air temp. [oC]</th> <th>Time during which 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	yellow, red, blue, black, green			Density in 20°C	[g/cm <sup>3</sup> ]	1,85÷1,95		Component A to B weight ratio [%]	Air temp. [oC]	Time during which 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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<b>Application method:</b>	PLASTMAL “colours” 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.																															

	<p>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 properties 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 Interminerglass 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>
<b>Packaging:</b>	20 kilogram metal buckets.
<b>Warranty:</b>	9 months from the production date if stored in its original packaging and not exposed to direct sunlight.
<b>H&amp;S and fire safety guidelines:</b>	The paint is highly flammable and contains hazardous acrylic monomers, that is why during application, general H&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.

**PLASTMAL „colours”**