

PLASTMAL K and PLASTMAL KU white

Two-pack material for thick-coat road marking

Symbol : 24.30.22-55.77

Standard: WT-1038-2007

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

Properties:	PLASTMAL 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.						
Range of application:	Plastmal K and Plastmal KU white are a two-pack, three ingredient type road marking material used in traditional smooth trowel applications, rumble strips and structural road markings at a 1:1 ratio.						
Application methods:	The material is applied by a special application machine at a 1:1 ratio						
Consumption:	Around 3 kg/m ² (with a 1,5 mm coating thickness, in case of very uneven substrates the consumption may clearly rise).						
Functional properties	<p>Plastmal K and Plastmal KU is a two-pack, three ingredient type cold chemically cured material. It is solvent free and has a very high solid content. Reflective glass beads form part of the material. The product is composed of component A- material (Plastmal K) and component B -material (Plastmal KU with U-30 hardener). 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>General technical information:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Colours</td> <td style="width: 20%;"></td> <td style="width: 30%; text-align: right;">white</td> </tr> <tr> <td>Density in 20°C</td> <td style="text-align: center;">[g/cm³]</td> <td style="text-align: right;">1,87÷1,95</td> </tr> </table>	Colours		white	Density in 20°C	[g/cm ³]	1,87÷1,95
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Application method:	<p>PLASTMAL K and PLASTMAL KU is to be applied onto a dry, clean, dust, sand and grease free bituminous or concrete substrate. Before application, the contents of both Plastmal K and Plastmal KU + hardener packagings have to be carefully stirred to obtain a uniform consistency. Afterwards, pour the materials into two separate containers (Plastmal K and Plastmal KU with hardener separately) The recommended coating 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,</p>						

	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” 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.
Packaging:	20 kilogram metal buckets.
Warranty:	9 months from the production date if stored in its original packaging and not exposed to direct sunlight.
H&S and fire safety guidelines:	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.

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