



FOR INDUSTRIAL USE ONLY

APPROVALS:

IBDiM Technical Approval No. **AT/2007-03-2154/1**.

THE USE:

Two-component mass PLASTMAL for hand applications is designed for structural applications of for applications in a form of smooth lines in the system 98:2.

SYMBOL:

268637- white- steel bucket 18 kg

246224- red- steel bucket 18 kg

246225- yellow- steel bucket 18 kg

246226- black- steel bucket 18 kg

PRODUCT DESCRIPTION:

Cold plastic mass PLASTMAL for hand applications is a non-solvent product of very high contents of solid substances, based on methacrylate resins. It contains reflective glass spheres. PLASTMAL is available in the following colours: white, yellow, red, black.

THE WAY OF APPLICATION:

PLASTMAL mass for hand applications is designed for permanent thick-layer marking of the areas of intensified road traffic (city centre, pedestrian walkways, crossroads etc.). Very high skid resistance is distinctive for the marking made with the use of PLASTMAL agent, comprising of natural roughness of the mass additionally enlarged by specific application.

The material is applied using special road marking equipment, so called Plastomarkers or using 1.5-3 mm thick stencils. As Plastmal 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 is left to dry.

The yield is approx. 3 kg/m² (with 1.5mm thick coat). In the case of a considerable uneven substrate or with the use of its "high structure", the yield may be clearly higher.

PLASTMAL mass for hand applications are applied on clean and dry bituminous and concrete subgrades, free of dust, sand and oil. Before the use, mix thoroughly the mass to homogenize the product in its entire volume. Then, add slowly curing agent while mixing the entire mass. When you achieve the homogenous mixture, start promptly to apply the mass. Recommended thickness of the coat is within the scope from 1.5 to 3.0 mm. This thickness provides to maintain appropriate parameters during the use. Apply the mass in air temperature range 5-35°C and air RH not higher than 80%. Substrate temperature: min. +5°C. It is unacceptable to apply the mass during clear dampness of air or substrate, i.e. during precipitation, in foggy day-time or while dewfall. To give a reflective effect for the applied markings, immediately after applying the paint, spread the fresh paint coats with retro-reflexive glass spheres. The yield of spheres is within 250-300 g/m². Recommended types of glass spheres are the following: 125-630 µm, 125-850 µm, 400-840 µm with adhesive or adhesive-floating treatment. When the operation is finished, clean tools with thinner WPZ 11 or fluid for washing road paving machines.

NOTE! Prepare such an amount of mass with curing agent that can be used in time not longer than 15 minutes. Otherwise, it can be set in the bucket.



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DETAILED FEATURES:

Density at 20°C	1.87÷1.95 g/cm ³
Krebs viscosity	130-140 – KU
Contents of pigments and fillers	74 ÷ 78 [%]

The product consists of: component A - the mass and component B - the peroxide curing agent for the product designed for highway engineering:

- loose solid material - U-30
- liquid - Benox LV 40 L (Peroxan BP LV 40)

The mixture is prepared directly before the application. The volume of component B depends on ambient temperature.

Weight ratio of component A to component B [%] loose or liquid	Ambient temp. [°C]	Usability for application [min.]	Time necessary to achieve practicability [min.]
100 : 2	10	16	45
100 : 1	20	16	35
100 : 1	30	8	20
100 : 0.5	40	7	20

STORAGE:

The mass shall be stored in tightly closed packages, away of fire and heat sources, and protect against direct sunlight. For detailed information see Material Safety Data Sheet.

WARRANTY PERIOD:

In original packages that are not exposed on direct sunlight: 9-month period since the date of manufacture.

HEALTH & SAFETY INFORMATION:

The mass is a highly flammable product and contains hazardous to health volatile acrylic monomers, thus while performing painting work, generally valid health and safety and fire protection provisions should be observed. It is especially forbidden to smoke cigarettes and consume meals during the performance of painting works.

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