



FOR INDUSTRIAL USE ONLY

APPROVALS:

Approval **IBDiM** AT/2009-03-1664

THE USE:

Marking made of thermoplastic mass is especially recommended to make horizontal marks of the roads in zones loaded by heavy and intense road traffic.

SYMBOL:

232815 - white – bag 20 kg

242275 - red – bag 20 kg

PRODUCT DESCRIPTION:

Naviplast in commercial form is a powdery mass composed of pigments, fillers, resin granules and auxiliary means. It also contains glass microspheres.

To make markings, it is used in a liquid form, melted mass at suitable temperature, which provides good adhesion to the substrate.

Naviplast is produced in 2 colours: white, red.

THE METHOD OF APPLICATION:

The melted material can be spread: manually using the screed method or mechanically employing a self-propelled application machine applying the material through extrusion, pouring or spray, a special application machine for structural markings can also be used.

Efficiency 5 - 7 kg/m² for a flat line road marking.

Thermoplastic mass shall be applied on clean, dry asphalt or concrete pavements, free of oil and dust, at temperature of air and pavement more than 5 °C, and RH not more than 80 %.

While applying markings at ambient temperature below 5 °C, the substrate shall be preheated.

In the case of applying the mass on used mineral-asphalt or concrete pavements, the surface shall be prepared by applying the Naviplast Primer by spraying or manually with the use of paint roller or paintbrush.

Directly before the application, the product is melted in a kettle with an agitator at temperature 185-205°C.

Considering the ability to overheat locally the material, kettles with oil jackets equipped with a temperature control system are recommended to be used. Preheated material shall not have temperature higher than 210°C. When you achieve the homogenous, fluid mixture, you can start to apply the mass.

The reflectiveness of marking is achieved by mechanical sprinkling it with glass spheres of grain-size 125-850 µm or 400-840 µm in amount from 250 to 350 g/m², in a way that provides an appropriate depth of their immersion in the mass.

Pay particular attention on keeping the suitable temperature of melted mass while applying markings. Significant derogations have an essential effect on colour, durability and reflectiveness of made mark.

The mark made using Naviplast mass is characterised of a good adhesion to its substrate, high wear resistance and high resistance to the influence of atmospheric conditions. Glass beads contained in the mass enable to keep reflectiveness at constant level for a long time of the use.

DETAILED FEATURES:

Colour	White and red
Softening temperature [°C]	80-105
Temperature of thermoplastic mass [°C]	185-205



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STORAGE:

Ready-made product shall be kept in original packages in dry, cool, well ventilated rooms, at temp. 0 – 30 °C. Protect against direct sunlight and other heat sources or ignition.

WARRANTY PERIOD:

In original packages that are not exposed on direct sunlight, during 12-month period since the date of manufacture.

HEALTH & SAFETY INFORMATION:

For detailed information see Material Safety Data Sheet.

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