PPG Industrial Coatings
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NAVIGATOR HS

Acrylic solventborne paint for road marking with increased durability

FOR INDUSTRIAL USE ONLY

RECOMMENDED APPLICATIONS:

NAVIGATOR paint is used as a horizontal road marking on bituminous or concrete substrate public streets and roads, yards, parking lots etc.

SYMBOL:

268486 – white – 32 kg metal buckets

CERTYFICATES:

IBDiM technical approval No. AT/2007-03-2155/1

PRODUCT DESCRIPTION:

NAVIGATOR - acrylic solventborne paint with increased durability for road marking is a suspension of pigments and fillers immersed in a solution of acrylic resin and organic solvents with extra additives.

APPLICATION INSTRUCTIONS:

The marking can be applied with all kinds of application machines (pneumatic and hydrodynamic application machines).

NAVIGATOR is to be applied onto dry and clean asphalt or concrete substrates. Due to the risk of yellowing of the paint it is not recommended to apply it on pitch type substrates. Before application, the contents of the packaging have to be carefully stirred to obtain a uniform consistency. The viscosity the marking comes in needs not be modified. Only if the viscosity of the paint rises significantly due to e.g. a low ambient temperature (5-10°C) can it be thinned using a small amount of WPZ 11 solvent at a volume of 2% w/w. Using excessive amounts of the thinner is unacceptable as it causes a deterioration of the coating quality. The marking is to be applied at a temperature range of 5-35°C for both the air and substrate and at a relative humidity of the air not exceeding 80%. The paint cannot be applied in conditions of fog or dew. The paint can be applied using pneumatic or hydrodynamic application machines. To give the paint reflective properties, glass micro beads have to applied no later than 3 seconds after paint application. The micro beads should be applied mechanically in such a way that the beads are immersed sufficiently enough in the applied paint. The beads cannot be applied by hand. 250-300 g of beads should be applied on each square meter. The recommended glass bead types: 100 – 600 µm or 125-630 µm.

COVERAGE:

On good substrates, proper marking parameters can be obtained using 600g of the marking for every m^2. Most commonly, the consumption comes to 600g to 800g for every m^2. A maximum volume of 1kg of the marking can be used for $1m^2$.

FUNCTIONAL PARAMETERS:

The marking is characterised by a short drying time, high density and very good coverage. It adheres well to the substrate, is highly resistant to abrasion and conditions of atmospheric exposure and has good roughness and whiteness. Applying glass reflective micro beads makes the marking highly visible in the headlight beam of a vehicle in night conditions. Because the micro beads adhere strongly to the paint, the coating maintains its reflective properties under conditions of use for a very long time.
General technical information:

Density at 20°C	1,55 – 1,65 g/cm³
Viscosity at 20°C	78 – 88 [KU]
Solid contents	75 – 79 [%]

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CURING TIME:

In close to optimal conditions i.e. at an ambient temperature of about 20°C and substrate temperature of 25°C, using 700 g/m² of the marking and with an air humidity of below 80%, the drying time required before traffic can be resumed is 25 minutes. The drying time can extend in lower temperatures and different humidity or if more of the paint is applied.

GUARANTEE PERIOD:

12 months from the production date if stored in its original packaging not and exposed to direct sunlight.

H&S INFORMATION:

The paint is highly flammable and contains hazardous volatile solvents, 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 packaging, away from any sources of fire, heat and direct sunlight exposure. For more detailed information refer to the Material Safety Data Sheet.

The technical data presented in this bulletin is based upon information believed by PPG to be currently accurate. However, no guarantees of accuracy, comprehensiveness, or performance are given or implied. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin. Contact your PPG representative for the most up-to-date information.

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