



MAS WHITE

A high quality Thermoplastic Road Marking Powder consisting of light coloured aggregates, heat stable pigments and extenders bound together with Aliphatic Hydrocarbon Resin. MAS yellow can easily be applied to form highly durable marking on all asphalt and concrete surfaces with excellent adhesion, colour softness, skid resistance and light reflectivity.

Technical Specification:

Colour	:	White
Density	:	less than 2.15 gms. Per cm
Flash Point	:	greater than 235 °C.
Oftening Point	:	93-105 (Ring & Ball) method
Drying time at 32°C	:	less than 10 minutes
Low Resistance	:	less than 25% (Con slump height after 48 hrs. at 40 °C)
Aggregate Settlement	:	None (2 hrs. at 200 °C)

Surface Preparation :

Asphalt surfaces must be dry, free from dust, grease and loose material. Concrete surface must be dry, clean, free from laitance and dust, loose material, grease and oil. Concrete surface previously treated with curing compound must be roughened by slight sand blasting.

Method of Application:

MAS Yellow can be applied by spray or screed application at 200 °C. Special marking can be applied manually.

1. Set the temperature of the pre-heated kettle so that material temperature is between 200-210 °C.
2. Add MAS white one bag at a time while mixing, allow to melt.
3. When kettle is full, mix for few minutes at 200-210 °C.
4. Off load hot material to the spraying machine pre-heated tank while mixing at 200-210 °C and while using a suitable strainer.

5. Mix material for few minutes at 200-210 °C.
6. Adjust air pressure, nozzle opening, nozzle distance from the surface to give the desired film thickness.
7. Apply glass bead simultaneously over the fresh hot marking.

DO NOT PROLONG HEATING AVOID OVERHEATING ABOVE 220 ° C.

Safety : Flash Point 240 °C. always wear protective gloves and clothing when handling heated material.
Packing : 25 kg. plastic bag.

General : MAS Glass beads conforms to ___ specification for Drop-on Beads. The Beads are high quality BALLOTINI Type Glass Beads which are surface treated for water repellency.

General Specification : Lead free glass, colourless water clear, round glass beads not wetted or gathered beads.

Specific Gravity : 2.5

Refractive Index : 1.5

Chemical : Acid.

Resistance : Resistance to acid, no development of surface haze or dulling
Water.
Resistance, no development of surface haze or dulling
Calcium Chloride
Resistance, no development of surface haze or dulling
Sodium Sulphide
Resistance, no development of dark spots.

Shape : 90 % minimum sphere, perfect round spheres (no defect like dark spots, matt appearance, trapped air bubbles).

Particle Size Distribution	Sieve	% Passing
	No. 12	100
	No. 30	85 – 100
	No. 40	45 – 100
	No. 50	10 – 45
	No. 80	0 – 20
	No. 200	0 – 5

Application Rate : MAS BS Glass Beads should be applied at the specified rate simultaneously over the Road marking material while it is being applied at a temperature of 200 ° C.

MAS : Glass conforms of Ministry of Communication specification.

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