



## SIGMARK Hot Melt Road Marking Compd.

### USES

Markings for Road Safety and Traffic Control

### SCOPE

Thermoplastic Hydrocarbon Resin based admixture of pigments aggregates and glass beads which melt at around 180° C to form marking paint for laying on the roads - both bitumen and concrete.

### PRODUCT DATA

<b>Type</b>	: Single Pack
<b>Composition</b>	: Thermoplastic material homogeneously composed of aggregate, pigment, resins and reflectorizing glass beads.
<b>Application</b>	: Road Marking Spray machine
<b>Guiding Specification</b>	: MOST Spec. 803.4
<b>Material Consistency</b>	: Uniform powder passing through 2.8 mm sieve.
<b>Flow Resistance</b>	: > 25% as per AASHTOM 249
<b>Drying Time</b>	: Surface Dry - Within 5 mins. Hard Dry - Within 30 mins.
<b>Thickness per Coat</b>	: 2.5 mm per coat
<b>Consumption rate per Sq.Mtr</b>	: @ 5 kgs of powder & @ 250 gms of drop on glass beads
<b>Daylight Luminance Factor</b>	: @ 45°C as per AASHTOM 249 : White :- 65% : Yellow :- 45%
<b>Skid Resistance</b>	: > 45% as per BS 6044
<b>Colour</b>	: White & Yellow
<b>Finish</b>	: Matt & Rough
<b>Packing</b>	: 25 Kgs Polylined Bag
<b>Storage Life</b>	: Upto twelve months as long as the sealed bag are kept under cover in a dry place under normal temperature conditions.

**COMPOSITION**

**Aggregates** : Quartz / Calcined flint

**Pigments** : Titanium Dioxide for Ultra White color and durable chromes for bright yellow road lines. Extending pigments are used to ensure uniform colour reproduction.

**Binder** : Plasticised Hydro Carbon Resin to suit extreme tropical climatic conditions, thermal stability and weatherability.

**Glass Beads** : Spherical glass beads complying BS 6088 Class A and B are used for excellent reflectivity to enhance day and night vision of marked lines.

**SURFACE PREPARATION**

Surface must be thoroughly dry and free from dust, rust, grease, oil, loose particles or earlier coating.

Carry out all repair work like joint sealings, filling of cracks, cavities and crevices with appropriate materials.

**APPLICATION**

Apply SIGMARK using a screed box with an applicator machine. Heat the material to 160 - 180°C in the preheater with adequate agitation till the material becomes a homogenised liquid. The molten paint should be stirred from time to time and dispensed uniformly along the marked line followed by drop on beads which should be sprayed uniformly before the paint gets dried.

**PAINT SYSTEM**

Bitumen Surface : Sigmark HM RM Compound - 1 Coat @ 2.5 mm thickness  
: Add on Glass beads - min @ 250 gms / sq.mtr.

Concrete / Pavement Surface : Sigmark Sealant Compound - 1 Coat @ 10 - 15 microns per coat  
: Sigmark HM RM Compound - 1 Coat @ 2.5 mm thickness  
: Drop on Glass beads - min @ 250 gms / sq.mtr.

**PRECAUTION**

Keep the bag sealed when not in use. Never use hooks to carry the bags. Avoid eye and skin contact. Safety goggles and protective gloves should be worn during handling. Not to apply paint on a wet surface. SIGMARK HM RM Compound should be applied on concrete when the sealant is still tacky.

**DISCLAIMER**

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**Data Sheet No. : 148**  
**Issue Date : Apr '04**

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