



AMITEK INFRA

PRIVATE LIMITED

An ISO9001:2008 Company

Amitek Retro-reflective Thermoplastic Road Marking Material

Conforming to BS 3262: Part 1 / 1989

PRODUCT DESCRIPTION

Amitek Hot Melt Retro-reflective Thermoplastic Road Marking Compound is specially formulated with superior quality of synthetic resin , glass beads , plasticizers, polymers, aggregates, pigments and fillers focusing on excellent day and night visibility and retro-reflectivity. Our product conforms to the British Standards (BS) Specification 3262: Part 1 / 1989 . Based on aliphatic chemistry offers superior weathering resistance and color stability .The product is supplied in product form , heated and can be applied to the road surface .It provides optimum balance between melt flow and flow resistance to achieve well defined lines as per the desired width & thickness. It has excellent wear resistance and adhesion on both asphalt (also DBST) as well as cement concrete surface (after a coating of Primer in case of applying it on cement surface). Our endeavor is to do continuous research and development of new product meets our customers' specifications in all climatic conditions worldwide.

SALIENT FEATURES

- Whiteness and Retro-reflective.
- Fast drying thus good flow resistance.
- Skid resistance.
- Durability and long lasting results.
- Heat stability.
- Color stability.
- Adaptable to any type of road.
- Cost effective & provides value for money.
- Nontoxic and environment friendly.



AMITEK THERMOPLASTIC ROAD MARKING MATERIAL

COMPOSITION	
Binder	Min. 18 %
Glass beads (Intermix)	Min. 20 %
Aggregates including glass beads, pigment & extender	80 ±2 %

PHYSICAL PROPERTIES	WHITE		YELLOW	
	As per BS3262:Part1/1 989	Amitek Product	As per BS3262:Part1/1 989	Amitek Product
Softening Point Appendix E	Not less than 95°C	Complies	Not less than 95°C	Complies
Glass Beads (Intermix)	BS6088: Type A	Complies	BS6088: Type A	Complies
Luminance (as delivered) Appendix F	Not less than 70	Complies	Not less than 50	Complies
Luminance (as re-melted) Appendix	Not less than 65	Complies	Not less than 45	Complies
Skid Resistance Appendix J	Not less than 45	Complies	Not less than 45	Complies
Drying Time	15 minutes Max	Complies	15 minutes Max	Complies
Flow Resistance Appendix H	≤ 25%	≤ 2%	≤ 25%	≤ 2%

Grading of Glass Beads in BS 6088-Type A

Sieve Size (mm)	Percentage Retained
1.18	0-3
0.850	5-20
0.425	65-95
Below 0.425	0-10



SURFACE PREPARATION

Prior to application the surface should be sound and in good condition. It must be clean, dry, free from dust, dirt, grease, oil or any other foreign matter. The road surface temperature should be above 5°C.. Ideally existing markings should be removed prior to application. Thermoplastic Road Marking Material may be applied over existing thermoplastic markings provided that they are in good condition and should not be applied on old paint markings. On worn bituminous and concrete surfaces, a suitable primer should be used prior to application.

DIRECTIONS FOR USE

- Heat the material to 180 - 200°C in the pre-heater till it transforms into a homogenized liquid.
- Ensure that the road surface is clean and free from dust & moisture.
- Heavy deposits of paint require removal.
- For aged asphalt roads and concrete roads the application of a primer coat; is recommended for proper bonding of the material with the road surface.
- Ensure that the primer is thoroughly dry and void of solvent prior to application of the thermoplastic material.
- Ensure temperature of 180 - 200°C and adequate agitation during application.
- Do not hold thermoplastic above 180°C for more than six hours.
- Do not heat the material above 220°C at any point in time.
- Change in color indicates that the material has been scorched owing to overheating and needs to be discarded.
- Drop-on glass beads must be immediately deposited after thermoplastic application.



STORAGE & PACKING

Storage : A shelf life of 12 months when stored in a cool, dry and covered place away from direct sunlight and areas of potential contamination.

Packing: 25 Kg sealed polythene sacks. (Different packaging options available as per the packing norms of the importing country.



HEALTH & SAFETY

- Thermoplastic Road Marking Paint is non – hazardous.
- Minimize dusting of the material during use.
- Use of personal protective equipment like facemask, goggle, heat resistant gloves and protective clothing while handling the material is recommended.
- Do not inhale product or fumes; do not ingest.
- Avoid eye contact; if contacted, wash copiously with water.
- Contact of molten product with skin could lead to thermal burns; flush with cold water; do not remove material as it could lead to severe tissue damage.
- Please refer to our Material Safety Data Sheet (MSDS) prior to using the product.

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