

iTherm® Thermoplastic Road Marking Material BS Standard - White

Introduction

iTherm® is Retro - reflective Thermoplastic Road Marking Material Conforming to BS 3262: Part 1/ 1989

Features

Retro-reflective thermoplastic road marking material with excellent whiteness

- Conforms to the British Standards (BS) specifications, 3262: Part 1/ 1989
- Designed for tropical Indian conditions
- Based on aliphatic chemistry, offers superior weathering resistance and colour stability
- Intermix glass beads offers long lasting retro - reflectivity
- Optimal balance between melt flow and flow resistance to achieve well defined lines as per the desired width and thickness
- Excellent wear resistance and adhesion on asphalt roads
- Suitable for application with manual, screed/extrusion automatic machines

Directions For Use

- Heat the material to 180 - 200°C in the pre - heater with adequate agitation till the material becomes a homogenized liquid
- Ensure that the road surface is clean, free from dust and moisture
- Heavy deposits of paint require removal
- For aged asphalt roads and concrete roads application of material, 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 6 hours
- Do not heat the material above 220°C at any point of time. Maximum safe Heating Temperature 215 ±5 °C
- Change in colour 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.

Specifications

Tests	Unit	Specifications
Color	-	White
Binder Content	%	20±2
Solid Glass beads	%	Minimum 20
Drying Time	Minutes	Max 15
Percentage Passing through 2.80 mm Sieve	%	Max 100
Percentage Passing through 600 µm Sieve	%	65 - 95
Aggregate, Pigment Extender and Solid Glass Beads % m/m of Mixture	-	78 - 82
Softening Point	°C	Min 65
Luminance Factor	%	Min 70
Heat Stability Factor	%	Min 65
Flow Resistance at 40±2 °C	%	Max 25
Skid Resistance	-	Not less than 45

Safety Information

- Minimize dusting of the material during use
- Use of personal protective equipment's like facemask, goggle, heat resistant gloves, safety shoes 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 would lead to thermal burns, flush with cold water, do not remove material as it would lead to severe tissue damage
- Please refer our Material Safety Data Sheet prior to using the product

Page 1 of 2

Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ITS Coatings Pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ITS Coatings Pvt. Ltd. has been advised of the possibility of such damages.

Head office

G 10-11, Creative Estate
N.M. Joshi Marg
Lower Parel (E)
Mumbai 400 011, INDIA
MSME #: MH19A0121970

T: +91-22- 4054 6474
F: +91-22- 4054 6400
E: sales@itherm.in
W: www.itscoatings.in
CIN No: U24233MH2012PTC229437

Chennai Office

T: +91-44-26801165/75

MSME Registered

ISO 9001:2015 Certified



**iTherm® Thermoplastic Road Marking Material
BS Standard - White**

Storage

- A minimum shelf life of 12 months when stored in a cool, dry and covered place

Packaging

- 25 Kgs HDPE Bags

Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and or from contact . Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way ITS Coatings Pvt. Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damage, howsoever arising, even ITS Coatings Pvt. Ltd has been advised of the possibility of such damages

Reference No: ITSC/T-0002	Issue Date: August 12, 2014	Prepared By: Dnyaneshwar Shekare	Date: 12/08/2014
Revision No: 00	Revision Date: NA	Approved By: Deepali Nikam	Date: 12/08/2014

Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ITS Coatings Pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ITS Coatings Pvt. Ltd. has been advised of the possibility of such damages.

