



355-056

PURCHASE SPECIFICATION FOR POURABLE INSULATION

Pourable Insulation is an hydraulic setting material composed of suitable aggregate such as vermiculite, insulating crumps etc. and binding material.

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|-----|---|---|--------------|
| 01. | Service temperature | : | 650° C |
| 02. | Permanent linear change at 650°C | : | ±2.0 % |
| 03. | Compressive Strength in Kg/Cm ² | | |
| | at 110°C | : | 22 Minimum |
| | at 500°C | : | 14 Minimum |
| 04. | Bulk Density at 110°C (Kg/m ³) | : | 660 Maximum |
| | Bulk Density at 500°C (Kg/m ³) | : | 640 Maximum |
| 05. | Thermal Conductivity K value | : | |
| | At Mean temp. | | |
| | 250 °C in Kcal / m hr °C | : | 0.16 Maximum |
| | 500 °C in Kcal / m hr °C | : | 0.20 Maximum |
| 06. | Chemical Composition: | | |
| | Fe ₂ O ₃ (ferric oxide) | : | 5 % Maximum |
| 07. | Thermal conductivity Test shall be done as per IS: 9490 latest or ASTM 201&202 latest. | | |
| 08. | Inspection and other Testing requirements shall be as per latest approved Quality Plan. | | |

To achieve the specified bulk densities, the recommended dry insulation material density shall be 600 kgs/cu.m maximum.

Marking: The following details are to be legibly written on the bags. Supplier's Name, Customer Number/Project, Purchase order No./date Serial No.of Packing, Batch No.,Material name and Net weight in kgs.

Caution Note: "Do not use hooks for lifting"
"Always store under covered shed and on raised platforms"

Packing: The Material shall be packed and sealed in polythene bags and the thickness of polythene bags shall be at least 0.2 mm. Then the sealed bags shall be put inside the polythene lined HDPE or HDPP woven netting bags and sealed by machine stitching.

REV: 03	ALTD: A.R.JOTHI	Details added for clarity.	REV: 04	ALTD:	
20.06.13	APPD: C.G.S	Packing corrected.		APPD:	
REV: 01	ALTD: A.R.JOTHI	Specification corrected and converted as soft copy.	REV: 02	ALTD: A.R.JOTHI	Specification corrected in sl.no. 07.
	APPD: C.G.S		06.01.05	APPD: C.G.S	
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