

DATA SHEET: TWIGA INSUL TI-1000/50

Parameter	Technical Specification
Make	Saint-Gobain Twigainsul
Material	Resin bonded fiberglass wool
Standard/Codes to follow	IS 8183: 93 /IS 3144: 90
Product Code	TI-1000/50
Physical form	Rolls Standard size, width x length: 1100/1200 mm X 20000mm, Customized lengths are available.
Nominal bulk density	16 Kg/m ³
Thickness	50mm
Lamination	FSK / WMSG-10 / WMSG-50 / ALG
Thermal conductivity – K Value	0.039 W/mK at 25°C
Thermal resistance – R Value	1.28 m ² K/W

General Glass wool Properties:

Parameter	Conformance
Fire Properties:	
Non combustibility	Noncombustible as per BS 476-part 4
Ignitibility	Class P (Not easily ignitable material) as per BS 476-part 5
Surface Spread of flame	NIL. Class 1 as per BS 476-part 7
Fire propagation	Class 'O', [index I<12, sub-index i1<6]. Conforms to BS 476 part 6 and 7.
Toxicity	Nontoxic as per BS 6853
Moisture content	<2%. conforms to IS 3144/IS 8183
Shot content	Nil. (<2%). Conforms to IS 3144/IS8183
Sulphar / Chloride content	Nil. Conforms to IS 3144/IS 8183
Mould growth	Conforms to IS 3144/IS 8183. Inorganic glass fiber does not support Mould growth.
Chemical	Neither acidic no basic, chemically almost neutral. pH value very close to 7.