

33

Format to be enclosed with each document, being published by Publication Department

Sl. No.	Query about the Document	Answer of the Query
1.	Document Number and Title	CHD 20 (13722) SOLAR THERMO-REFLECTIVE EXTERIOR COATING FOR COOLING OF ROOF TOP
2.	Division Council/Chairperson	CHDC/Dr. Sourav Pal, Director Indian Institute of Science Education & Research, Kolkata
3.	Sectional Committee Chairperson Member Secretary	CHD 20/ Dr S K Saha, Ex Director, National Test House/ Shrishti Dixit, Sc. C
4.	Date of publication of original standard/past revision & current revision, (in case of revision)	New standard
5.	Whether the document is for publishing Indigenous standard or Adopted standard	Indigenous standard
6.	Need for the Revision (in case of revision)	NA
7.	The substance and the advantages or impact of the new standard or revision	This standard has been developed for the product– Solar thermo-reflective exterior coating for cooling of roof top. The main feature of the coating is to reflect substantial part of heat producing infra-red aspect of sun's scorching rays and coating can be applied on both metal and concrete surfaces. These coatings have high heat reflectivity and poor thermal conductivity resultant to reduced heat transfer to substrate, thereby increasing human comfort. It is reported that these coating reduces power consumption of air conditioner up to 40 percent. Product does not require additional curing