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Project No. TST - 0126

BRIEF EVALUATION REPORT

BS 476: Part 4: Non- Combustibility

Date of evaluation : June 15, 2016
Sponsor : M/s Andhra Polymers Private Limited
Plot No.2, Phase-V, IDA, Jeedimetla,
Hyderabad – 500 055
Description of product : 'AEROLITE CALCIUM SILICATE TILE'
Thickness: 12 mm,
('AEROLITE' Ceiling tile is a calcium silicate based product.
It is a light weight building interior ceiling & lining material/product manufactured using lime & silica with some fillers & reinforcing agents.
The bulk density is $400 \pm 50 \text{ kg/m}^3$)
(The product description has been prepared on the basis of the information provided by the sponsor.)
Specimen dimensions : 40 mm (L) x 40 mm (B) x 48 mm (Height)
Observations : The mass of each specimen was recorded before and after evaluation for calculating mass loss(%) occurrence of any sustained flaming and record of duration of such flaming was made.

Results

Avg. rise in furnace temp., deg C : 23
Avg. rise in sp. centre temp., deg C : 18
Avg. time of flaming, s : NIL
Avg. mass loss, % : 9.80

Classification / Designation : Non - Combustible

The evaluation results relate only to the behaviour of the specimens of a product under the particular condition of the evaluation, they are not intended to be the sole criterion for assessing the potential hazard of the material in use.


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