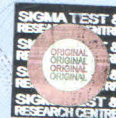


TESTING OF DRUGS | COSMETICS | CHEMICALS | WATER & FOOD | BUILDING MATERIAL | ENVIRONMENT

TEST CERTIFICATE

(This certificate is not valid without a hologram)

Test Report



Report No. : 9131207006

Page 1 of 2

Sample Description: Stone Veneer (Thin Slate)

Client: Richter-India Pvt. Ltd.
M-61, M Block Market,
Greater Kailash-2,
New Delhi – 110048.

Name of Work: E-196, EPIP, RIICO Indl. Area, Neemrana, Rajasthan – 301705, India.

Date of Issue: 20/12/2013

Reference Standard EN:13501-2007 (Fire Classification)

Product Description: Stone Veneer (Thin Slate)
Overall Nominal Thickness = $1.5 < > 2.0$ mm
Overall Nominal Weight per unit area = $1900 - 2000 \text{ g/m}^2$

Tested By: Sigma Test & Research Centre
BA-15, Phase-II, Mangol puri Indl. Area,
Delhi-110034.
Ph.No. 011-49491400

Santram
Authorized Signatory

SANTRAM RAJPUT
Technical Manager

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(1) The results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied. (2) Total liability of our Lab is limited to the invoiced amount. (3) Samples will be destroyed after 15 days from the date of testing unless otherwise specified. (4) This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without our special permission in writing (5) Report refer to the sample submitted to us and not drawn by Sigma Test & Research Centre unless mentioned otherwise.

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Sample : Stone Veneer (Thin Slate)
Date of Receipt of sample : 07/12/2013
Date of Testing Completion : 19/12/2013
Test : Reaction of Fire Class (Fire Classification)
Test Method : EN:13823, EN ISO:11925-2, EN:13501-1:2007 + A1:2009
Fire Class : B-s2, d0

Test Method	Parameters	Number of specimen	Result	
			Continues Parameters (Mean Value)	Compliance Parameters
EN ISO:11925-2 Surface exposure Application time :30s	Fs \leq 150mm	6	-	Not reached
	Ignition of the Filter paper		-	Not ignited
EN ISO:11925-2 Edge Exposure Application time :30s	Fs \leq 150mm	6	-	Not reached
	Ignition of the Filter paper		-	Not ignited
EN:13823	FIGRA _{0.2 MJ} (W/S)	3	102	-
	FIGRA _{0.4 MJ} (W/S)		96	-
	LFS < Edge		-	Not reached
	THR _{600s} (MJ)	3	5.2	-
	SMOGRA (m ² /S ²)		145	-
	TSP _{600s} (m ²)		178	-
	Flaming Droplets/Particles	3	-	None

Fire Classification

General Classification	B
Additional Classification in relation to smoke production	s2
Additional Classification in relation to flaming droplets/particles	D0

This classification was conducted in accordance to clause 11 of the test method EN:13501-1:2007+A1:2009

Note : The test result relate to the behavior of the specimen of a product under the particular condition of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Where:

Fs = Flame spread (mm)
FIGRA_{0.2 MJ} = Fire growth rate index at THR threshold of 0.2 MJ.
FIGRA_{0.4 MJ} = Fire growth rate index at THR threshold of 0.4 MJ.
THR = Total heat release
THR_{600s} = Total heat release within 600 second (MJ)
SMOGRA = Smoke growth rate (m²/s²)
TSP_{600s} = Total smoke production within 600 second (m²)
LSF = Located flame spread (m)

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