

FIRE RATING CERTIFICATION

Mikasa FD60 – 54mm Door set with LVL Frame



Test Report No: D180110087/D180110087-2

Date of Issue: 10-May-2018



Sample Booking/Receipt Date: 10-Jan-2018

Date of Start of Testing: 22-Jan-2018

Date of Completion of Test: 22-Jan-2018

Test Report Issued To:

GREENLAM INDUSTRIES LTD

PLOT NO. E - 176 / 179, PHASE - II, RIICO INDUSTRIAL
AREA, P.O BEHROR, ALWAR, RAJASTHAN, INDIA,

This is to certify that Mikasa 60 Minute Fire Rated Door set, passed fire resistance test for Integrity, Stability and Insulation for 60 minutes rating as per BS 476 Part 20, BS 476 part 22 and IS 3614 Part2

Vide test report **D180110087/D180110087-2** no. as per below make:

Door Panel	54mm Solid Particle Core with Density more than 600 kg/m3
Door Frame	LVL with Density more than 640 kg/m3

Authenticity of report can be verified by mail at verification@spectrolab.in

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)

Phone : +91-120-2341250, 2341251 || **URL** : www.spectro.in || **Email**: care@spectro.in

An NABL Accredited, BIS and DDA Approved, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory
Please refer to our Website www.spectro.in for Terms & Condition



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

SPECTRO ANALYTICAL LABS LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

S-1 GNEPIP, Surajpur Industrial Area Kasna, Phase-V, Greater Noida,
Gautam Budha Nagar, Uttar Pradesh

in the field of

TESTING

Certificate Number TC-6314 (in lieu of T-3983, T-3008, T-3009 & T-3984)

Issue Date 05/06/2016

Valid Until 04/06/2018

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director



89076970100030000253

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Spectro Analytical Labs Limited, S-1 GNEPIP, Surajpur Industrial Area
Kasna, Phase-V, Greater Noida, Gautam Budha Nagar, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6314 (in lieu of T-3983, T-3008, T-3009 & Page 76 of 79
T-3984)

Validity 05.06.2016 to 04.06.2018 **Last Amended on** 18.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Autoclaved Cellular Concrete Blocks, Autoclaved Aerated Concrete Blocks	Material Finer than 75 Micron	IS 2386 (P-1):1963 (RA 2016)	0.1 – 10 %
		Dimension	IS 2185 (P-3):1984 (RA 2010)	50-700 mm
		Block Density	IS 6441 (P-1):1972 (RA 2011)	400-1500 kg/m ³
		Compressive Strength	IS 6441 (P-5):1972 (RA 2011)	2.0-15 N/mm ²
		Moisture Content	IS 6441 (P-1):1972 (RA 2011)	1.0-15%
		Drying Shrinkage	IS 6441 (P-2):1972 (RA 2011)	0.01-1%
		Fire Test (Non Load Bearing Units) (up to 1200°C) (3 Mtr X 3 Mtr X 1.2 Mtr)	ASTM E119-16a	Qualitative Test
4.	Concrete	Compressive Strength	IS 516:1959 (RA 2013)	10 – 80 N/mm ²
5.	Building Bricks	Compressive Strength	IS 3495 (P-1):1992 (RA 2011)	1-20 Mpa
		Water Absorption	IS 3495 (P-2):1992 (RA 2011)	5 – 30 %
		Dimension	IS 1077:1992 (RA 2011)	10-5000 mm
6.	Door Shutters	Fire Resistance Test (Non Load Bearing) (up to 1200°C)	BS 476-20:1987	Qualitative Test
IV.	SOIL & ROCK			
1.	Soil	Light Compaction (MDD/OMC)	IS 2720 (P-7):1980 (RA 2011)	1 – 4 g/cc, 0.1-20%
		Heavy Compaction (MDD/OMC)	IS 2720 (P-8):1983 (RA 2015)	1 – 4 g/cc, 0.1-20%

Neeraj Verma
Convenor

N. Venkateswaran
Program Director