



आईको Since 1991  
ISO 9001-2008 Certified Company



# Engineer<sup>®</sup> Plus

Water Proofing & Heat  
Proofing Solutions

Engineer Plus Smart Proof all guard is a fibre reinforced elastomeric waterproof coating for exterior surfaces.



ISO 9001:2015  
CERTIFIED COMPANY



BRUSH/ROLLER



EXTERIOR



Winner of  
National award '06  
BY GOVT. OF INDIA



**WATERPROOFING**



**7 Layer Waterproofing System**

# WATERPROOFING

- ★ Building Water-Proofing is a process which is designed to prevent water from penetrating a Building.
- ★ Usually extensive waterproofing measures are added to a Building at the time of construction, to provide moisture control from the start.
- ★ Waterproofing may also be done after a building is built, to address problems as they emerge or as part of a building retrofit.

# Some Steps Before a Apply 7Leyer System

## 1<sup>st</sup> Step



Clean All Area



# 2<sup>ND</sup> Step

H  
A  
M  
M  
E  
R



B  
R  
U  
S  
H



Air Matchin



Grinder



# 3<sup>Rd</sup> Step

Clean By Fresh Water



# 4<sup>th</sup> Step

Creck



Grinder On Creck





# 5<sup>Th</sup> Step



URP-99



Cement



URP+Cement Mixxing

Fill Mixture in Creck



If Use 1ltr URP-99  
So Mix Approx  
2.5Kg Cement





# 7

## Layer Waterproofing System





**ENGINEER<sup>®</sup>  
PLUS**

Layer 1

ENGINEER PLUS





**Fresh Water**



**AquaSill-99**



**Aquaprime99**

**For 500sq  
20ltr Fresh Water  
1ltr Aquasill-99  
2ltr Aquaprime-99**



**1st Layer Mixture spray**



**Results After 1st Layer**



FIBER MASH



ICS 99



WAC 99



**ENGINEER<sup>®</sup>  
PLUS**

Layer 2 and 3



# Fiber Mash



**WAC-99+ICS**

**Cement**

**Mixxing**

**For 500Sq**  
**15ltr Wac-99**  
**15ltr ICS**

**45Kg Cement**  
**500Sq Fibermesh**



Mixture Paint On Floor



Results After  
2nd & 3<sup>rd</sup>  
Layer



ICS 99



WAC 99



**ENGINEER PLUS**<sup>®</sup>

Layer 4



ICS 99



WAC 99



**ENGINEER PLUS**<sup>®</sup>

Layer 5

Process Of 3<sup>rd</sup> Layer Is Same Process in 4&5 Layer  
Only Change Chemical Qt.

For 500Sq

20ltr WAC-99

20ltr ICS

60Kg Cement





**ENGINEER<sup>®</sup>  
PLUS**

Layer 6



**WPC-99**



**Fresh Water**

**Mixxing**



**WPC-99 + Fresh Water Mixture**

**For 500sq  
WPC-99 2.5Kg  
Water 2.5ltr**





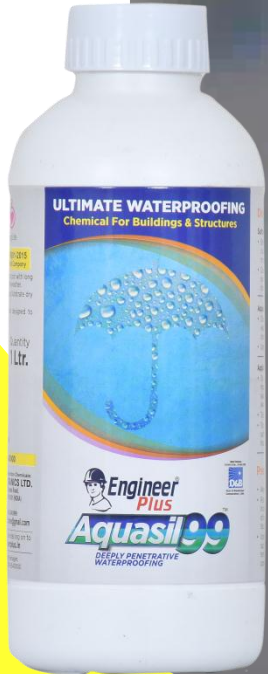
# Mixture Paint On Floor



Results After  
6th Layer







**ENGINEER<sup>®</sup>  
PLUS**

Layer 7



INDORE COLOUR ORGANICS LTD.



**WPC-99**



**Fresh Water**

**Aquasil-99**



**For 500sq  
WPC-99 2.5Kg  
Water 2.5ltr  
Aquasil-99 100ml**

**Mixxing**





# Mixture Paint On Floor

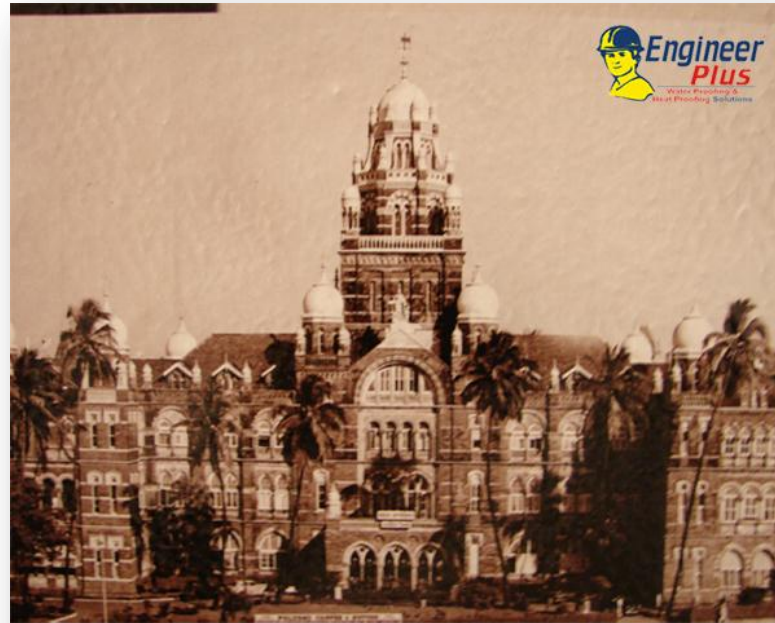


Results After  
7th Layer





# This Building Waterproofed By Engineer Plus



Railway Head Office ( Churchgate Mumbai)



Before



During



After

# ISO Certificate

## CERTIFICATE OF COMPLIANCE



This is to certify that the  
QUALITY MANAGEMENT SYSTEM of

### INDORE COLOUR ORGANICS LTD.

Head Office: 61, Jawahar Marg, Chemical House, Indore – 452 004,  
Madhya Pradesh, India.

Site: Bisnawada Village, Pithampur By Pass, Dist And Tehsil, Indore,  
Madhya Pradesh, India.

has been assessed by International Certification Services Pvt. Ltd. and registered as complying  
with the requirements of the following International Standard:

### ISO 9001:2008

The Quality Management System applicable to:

**Scope: Formulation, Manufacture And Supply Of Construction, Water  
Proofing And Heat Proofing Chemicals And Coating.**

Registration No. : RQ91/2249  
Registered Date : 12<sup>th</sup> July, 2004.  
Reassessment Date : 08<sup>th</sup> March, 2011.  
Issue Date : 09<sup>th</sup> March, 2011.  
Expiry Date : 11<sup>th</sup> July, 2013.



JAS-ANZ



[www.jas-anz.org/register](http://www.jas-anz.org/register)



*S. K. Kulkarni*

Managing Director  
International Certification Services

**Accredited by Joint Accreditation System of Australia and New Zealand**

Validity of this certificate is based on periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification of significant changes to the management system and/or its components thereof shall be immediately communicated to ICS. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained at [www.icsasian.com](http://www.icsasian.com)



# SOR M.P. PWD Certificate

## 2014 W.P. BMD 06/05/2011

**M.P., P.W.D. SATPURA BHAWAN, BHOPAL**  
**SCHEDULE OF RATES FOR BUILDING WORKS (w.e.f. 15/06/2009)**  
**(ERRATA/AMMENDMENT/ADDENDUM NO.3)**

The S.O.R. in Item No.22.22 Chapter No.XXII (Water Proofing work) is ammended as under :

Item No.	EXISTING		AMMENDMENT			
	Description	Old Unit		Description	New Unit	
		Unit	Rate		Unit	Rate
22.22	Water proofing treatment of RCC roof, arch roof, surface sides & walls by WAC-99 (Water Proofing Additive for Cement which is highly concentrated multipurpose Latex Emulsion based Liquid Modifier) MOG-99 (Micronised Organic Grains which is micronised amorphous silica) and WPC-99 (Water proofing compound which is a performance blend of synthetic resins, emulsifiers & hardner, wetting agents Biocides etc.). Treatment includes removal of all existing loose material, cleaning of oil, dust, fungus, grass, rust etc. by mechanical tools, wire brush and then surface is micro washed with SAC-99 (Surface Activation chemical) mixed with two parts of water & one part SAC-99 (SAC-99 @20 Sqm./Lit.). All the cracks & undulations should be repaired by putty prepared with MOG-99, WAC-99 & Water in proportion of 3:1:1 by weight, further two coats of brushable mortar prepared with cement, WAC-99 & water (WAC-99 @0.350kg/Sqm. & cement @1.050 kg/sqm.) in the proportion of 1:1:1 by weight in 30 minuts interval. After 12 hours from application of Mortar another two coats of WPC-99 (@0.150kg/sqm.) mixed with water in the proportion of 1:1 as per norms within 40 minuts intervals should be applied. The surface will dry within 10 minuts and surface should be fully water proof and usable after a period of 8 hours. The rate includes the cost of all chemicals used, labours, tools & plants, leads, lifts etc. (With five years service guarantee)	cum	315.00	Water proofing treatment of RCC roof, arch roof, surface sides & walls by WAC-99 (Water Proofing Additive for Cement which is highly concentrated multipurpose Latex Emulsion based Liquid Modifier) MOG-99 (Micronised Organic Grains which is micronised amorphous silica) and WPC-99 (Water proofing compound which is a performance blend of synthetic resins, emulsifiers & hardner, wetting agents Biocides etc.). Treatment includes removal of all existing loose material, cleaning of oil, dust, fungus, grass, rust etc. by mechanical tools, wire brush and then surface is micro washed with SAC-99 (Surface Activation chemical) mixed with two parts of water & one part SAC-99 (SAC-99 @20 Sqm./Lit.). All the cracks & undulations should be repaired by putty prepared with MOG-99, WAC-99 & Water in proportion of 3:1:1 by weight, further two coats of brushable mortar prepared with cement, WAC-99 & water (WAC-99 @0.350kg/Sqm. & cement @1.050 kg/sqm.) in the proportion of 1:1:1 by weight in 30 minuts interval. After 12 hours from application of Mortar another two coats of WPC-99 (@0.150kg/sqm.) mixed with water in the proportion of 1:1 as per norms within 40 minuts intervals should be applied. The surface will dry within 10 minuts and surface should be fully water proof and usable after a period of 8 hours. The rate includes the cost of all chemicals used, labours, tools & plants, leads, lifts etc. (With five years service guarantee)	Sqm.	315.00
Note	The above item shall be executed only with the prior permission of the Chief Engineer of Concerned Zone. The above ammendments shall be applicable with effect from the date of issue.					

*Atul*  
 ENGINEER-IN-CHIEF  
 M.P. P.W.D. BHOPAL

Bhopal, Dated 23 /05/2011

Endt. No. 9/CommonSOR/Building/2010 / 508  
 Copy is forwarded to :-

1. P.A. to Hon'ble Minister, M.P. P.W.D. Bhopal
2. The Principal Secretary to Govt. of M.P. P.W.D. Bhopal
3. The Director General, (Road Development), Ministry of Road Transport & Highway, (Roads Wing), Transport Bhawan No.1, Parliament Street, New Delhi 110001.
4. The Secretary to Govt. of M.P. P.W.D. Bhopal.
5. The Chief Technical Examiner, M.P. Bhopal.
6. The Principal Secretary to Govt. of M.P. Housing & Environment, Bhopal.
7. The Accountant General, M.P. Gwalior/Bhopal.
8. The Secretary to Hon'ble Lokayukta, M.P. Bhopal
9. The Chief Engineer, M.P. P.W.D. ....
10. The Project Director, PMU, O/o E-in-C., M.P. P.W.D. Bhopal.
11. The Chief Engineer, M.P.R.D.C., M.P. Bhopal
12. The Chief Engineer, Rural Engineer Services, M.P. Bhopal
13. The Commissioner, Bhopal
14. The Collector, Bhopal
15. The Superintending Engineer, M.P. P.W.D. Capital Project Circle, CPA Bhopal.
16. The Superintending Engineer, M.P. P.W.D. NH & Bridge Circle .....
17. The Divisional Project Engineer, M.P. P.W.D. PIU .....
18. The Executive Engineer, M.P. P.W.D. Division .....

*Atul*  
 23/5/11  
 ENGINEER-IN-CHIEF  
 M.P. P.W.D. BHOPAL





Receiving National Award  
(Mr. P.C. Bhandari, MD-ICO LTD. Enineer Puls)

**ICO**<sup>TM</sup>  
आईको Since 1991  
ISO 9001-2008 Certified Company

 **Engineer**<sup>TM</sup>  
**Plus**  
Water Proofing &  
Heat Proofing Solutions



# Thank You

**आपका निर्माण  
अमर रहे**