



# KMR CONCHEM PVT. LTD.

ISO 9001 : 2015 CERTIFIED  
ISO 14001 : 2015 CERTIFIED



SOLUTION PROVIDERS FOR THE CONSTRUCTION INDUSTRY



## ABOUT US

**KMR Conchem Pvt. Ltd. is engaged in manufacturing of construction chemicals. Our highly specialized team is dedicated to provide world class products. We believe in customer centric approach and thus our efforts are aimed at providing quantity products and services.**

## VISION

**KMR Conchem Pvt. Ltd. wants to be a pioneer construction chemical manufacturer with world class products and solutions to be provided globally. Customer satisfaction would remain the key goalpost of all our endeavors**



# SECTORS WE SERVE

**Highway Projects / Residentials / Airport Projects / Office Spaces  
Commercial Developments and Numerous other segments of infrastructure  
development in the country.**



## **PRODUCT CATEGORIES**

**Different Grades of Super-Plasticisers - Napthalane Base and PC Base),  
Water Proofing Compounds, Curing Compounds,  
Shuttering Oil (Mould Release Agent),  
Anti Stripping Agents**

# SERVICES

To provide value added services, excellent workmanship and utmost loyalty to our clients and associates. All our efforts are aimed at providing the quality services to the clients.

## **Construction Chemicals**

Manufacturing the entire range of post and Pre Construction related chemicals used at various stages of infrastructure development and serving various sectors such as Roads & Highway Projects, Ports, Housing & Real Estate, Commercial developments and many others.

## **Quality Management**

Design mix, checking all quality aspects of the cement, concrete like strength, slump, checking all raw materials on regular basis, Checking of Performance characteristics of Bituminous Mixes with Anti Strip Agents and maintaining the site - laboratories with our dedicated team of civil engineers and professionals.



# RESEARCH & DEVELOPMENT

The Key to our Success is our ability to generate innovative products & capabilities at the forefront of the industry. R&D is back bone of all KMR Conchem Products.

At KMR Conchem, we are shaping the future development of the existing products through a constant stream of innovations.

The state of the art manufacturing & testing facilities help us to deliver world class products to our customers at the most competitive pricing.

Innovation, Efficiency and Efficacy drive our operations at all levels of functioning.



# WHY CHOOSE US



- ◆ One of the most skilled and technically qualified management team of technocrats.
- ◆ One of the biggest construction chemical facilities ensuring timely delivery and lower inventory for contractors.
- ◆ One of the very few construction chemical companies to have their own transportation fleet ensuring flexibility and reliability in executing final orders.
- ◆ Well equipped in-house laboratory for checking and testing of all inputs and outputs to meet highest level of quality standards.
- ◆ ISO Certified 9001:2015 & ISO Certified 14001:2015 Company meeting all standard manufacturing and quality norms.
- ◆ Cent per cent, Output, Competitive rates for world class products, on-time delivery



# OUR VALUABLE CLIENTS

- ◆ TATA PROJECTS LTD.
- ◆ RKCPL
- ◆ KCPL
- ◆ M/S D. R. A. INFRACON PVT. LTD
- ◆ SHIVALIYA CONSTRUCTION PVT. LTD
- ◆ KCC BUILDCON PVT.LTD
- ◆ SP SINGLA CONSTRUCTION PVT.LTD
- ◆ CHETAK ENTERPRISES LTD
- ◆ REGAL ENTERPRISES
- ◆ PS CONSTRUCTION COMPANY
- ◆ A.M.INFRACON
- ◆ S.S CHAUHAN CONST. PVT LTD
- ◆ S.S.INFRA
- ◆ GUPTA BUILDERS
- ◆ NEELKANTH RMC RHTAK
- ◆ RAMA RMC. MIRTHAL
- ◆ SKYDREAM RMC, ROHTAK
- ◆ ROYAL RESIDENCY, ZIRAKPUR
- ◆ SAHAJ INFRA
- ◆ BHARAT CONSTRUCTION COMPANY
- ◆ BALAJI RMC,ROHTAK
- ◆ BAJRANGBALI RMC. ROHTAK
- ◆ EMIRATE RESIDENCY. MOHALI
- ◆ MORBAGH RESIDENCY. ROHTAK
- ◆ RUDRA ENTERPRISES
- ◆ RDS INFRA
- ◆ KM BUILDCON
- ◆ RK INFRACON
- ◆ KMS BUILDCON PVT LTD
- ◆ SAR BUILDCON PVT LTD
- ◆ CRP BUILDCON PVT LTD
- ◆ SHREE BALAJI BUILDWELL PVT LTD
- ◆ PSY INFRASTRUCTURE PVT LTD
- ◆ SUSHMA RESIDENCY, ZIRAKPUR
- ◆ ECO RESIDENCY,MOHALI
- ◆ JYANTI CONSTRUCTION COMPANY
- ◆ AND MANY MORE

# CERTIFICATION



**QRO**  
QUALITY RESEARCH ORGANIZATION

## Certificate of Registration

This is to certify that

**KMR CONCHEM PRIVATE LIMITED**  
ADD.: L/C/O ANP BUILDCON, PLOT NO.1110, SECTOR 123, SUNNY ENCLAVE,  
MOHALI-140 301, (PUNJAB) INDIA.  
ADD.: 2. B-363, KALINDI VIHAR, 100 FUTA ROAD, AGRA-282 006. (U.P.) INDIA.

has been independently assessed by QRO  
and is compliant with the requirement of:

**ISO 14001:2015**  
**Environmental Management System**

For the following scope of activities:  
**MANUFACTURING, TRADING, PRODUCE, REFINES, PROCESS, FORMULATE, IMPORT, EXPORT OF  
ALL KINDS OF CHEMICAL USED FOR CONSTRUCTION AND INDUSTRIAL PURPOSE.**

Date of Certification: 1st June 2024      2<sup>nd</sup> Surveillance Audit Due: 31st May 2026  
1<sup>st</sup> Surveillance Audit Due: 31st May 2025      Certificate Expiry: 31st May 2027

Certificate Number: 305024060138E



Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.  
(In case surveillance audit is not allowed to be conducted this certificate shall be suspended / withdrawn).  
The Validity of this certificate can be verified at [www.qrocert.org](http://www.qrocert.org)  
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP  
142, 1<sup>st</sup> Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)  
Website : [www.qrocert.org](http://www.qrocert.org), E-mail : [info@qrocert.org](mailto:info@qrocert.org)



**QRO**  
QUALITY RESEARCH ORGANIZATION

## Certificate of Registration

This is to certify that

**KMR CONCHEM PRIVATE LIMITED**  
ADD.: L/C/O ANP BUILDCON, PLOT NO.1110, SECTOR 123, SUNNY ENCLAVE,  
MOHALI-140 301, (PUNJAB) INDIA.  
ADD.: 2. B-363, KALINDI VIHAR, 100 FUTA ROAD, AGRA-282 006. (U.P.) INDIA.

has been independently assessed by QRO  
and is compliant with the requirement of:

**ISO 9001:2015**  
**Quality Management System**

For the following scope of activities:  
**MANUFACTURING, TRADING, PRODUCE, REFINES, PROCESS, FORMULATE, IMPORT, EXPORT OF  
ALL KINDS OF CHEMICAL USED FOR CONSTRUCTION AND INDUSTRIAL PURPOSE.**

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Website : [www.qrocert.org](http://www.qrocert.org), E-mail : [info@qrocert.org](mailto:info@qrocert.org)

# OUR CLIENT APPROVALS



**Headquarters Spain:**  
Centro de Estudios de Materiales y Control de obra, SA (CEMOSA),  
Calle Benaque nº 9, Málaga CP 29004, Spain. Tel.: (+34) 952230842  
**Central Offices India:**  
502, 5th Floor, DDA-5 Building, District Centre, Janakpuri,  
New Delhi -110058, India. Tel.: (+91) 011-45523676.

No. CEMOSA-GEAS/NHAI/NH-352-A/J-G/2021-22/929 Date: 04.12.2021

To,  
The Project Manager  
Gawar Construction Limited  
SF-01, JMD Galleria, Sector-48, Sohna Road  
Gurugram-122001 (Haryana)  
PH: (0124) 4854000, Fax- (0124) 4854001/02  
Web: www.gawar.com, E-mail: gc@gawar.in

**Sub.:-** Rehabilitation and upgradation to 2-lane with Paved shoulder for Jind-Gohana Road from Design Chainage Km 0+000 to km 50+505 (length 50.505) of NH-352-A under NH(O) in the state Haryana on Engineering Procurement and Construction (EPC) mode.  
**Reg.:-** Source Approval of Concrete Admixture & curing Compound from KMR Conchem Pvt. Ltd.

Ref.:- GCL/NH-352 A/J-G/2021-22/967 Date: 02.12.2021

Dear Sir,


With reference to subject cited above, the proposal received concrete Admixture & curing Compound from KMR Conchem. Profile has been reviewed and found in order, hence approved.

This is for you information and record please.

Thanking You,

Yours Truly,

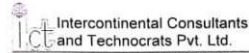
For CEMOSA in association with G-Eng. Advisory Services Pvt. Ltd.

  
(Mahesh Chand Chaudhary)  
Team Leader  
E-mail-ae\_jindgohana@gmail.com.

Copy to:

1. The Project Director, NHAI, PIU 305, Vidyaniketan Road, 1st Floor, Model Town, Rohtak-124001. Tel. No. - 01262-282010. E-mail: [piurohtak@gmail.com](mailto:piurohtak@gmail.com)
2. M/s CEMOSA in association with G-Eng. 5th floor DDA-5, Building, District Centre Janakpuri, New Delhi.

Centro de Estudios de Materiales Y Control De Obra, S.A. (CEMOSA) In Asociación with G-Eng Advisory Services Pvt Ltd Project Office: House No. 422, Sector-7, Gohana (Haryana)-131301.



**Consultancy Services for Authority Engineer for Supervision of Construction of 8 lane access controlled Greenfield Delhi-Vadodara Expressway (NH-148N) starting at Junction with Keshopura Road to Junction with NH-11 (Ch. 151 + 540 to Ch.183+000) in the State of Rajasthan EPC mode under Bharatmala Pariyojana (AEPkg2)**

ICT/842/AE/Cont06/WoM/878

Dated 31<sup>st</sup> Dec 2021

**The Project Manager,**  
KCC Buldicon Pvt. Ltd.  
Delhi – Vadodara. Pkg-6,  
Bandikui, Dausa.  
Rajasthan-303313  
E-mail: [kccprojectk06@gmail.com](mailto:kccprojectk06@gmail.com); [mohnishpandey.kcc@gmail.com](mailto:mohnishpandey.kcc@gmail.com)

**Subject:-** Construction of 8-lane access controlled Greenfield Delhi-Vadodara Expressway (NH-148N) starting at Junction with Keshopura Road to Junction with NH-11 (Ch. 151 + 540 to Ch.183+000) in the State of Rajasthan EPC mode under Bharatmala Pariyojana (NHAI/BM/Delhi-Vadodara/2018/Pkg6) – Provisional approval of Source, M/s KMR Conchem Pvt. Ltd. (Punjab) of Admixture/Construction Chemical-reg.

Ref:- KCC/AE/NH-148N/Pkg-6/2021/704 dated 30/12/2021

Dear Sir,

Your request proposal for approval of M/s KMR Conchem Pvt. Ltd. (Punjab) admixture/ Construction Chemical has been reviewed. The factory credentials/infrastructure details submitted has also been examined. Based on these, the source is hereby provisionally approved. However, the material is to be jointly sampled for each lot and sent for third party test to cross verify the product quality prior to use in the work as per MORT&H Specification Clause 1012.2 and result shall be compared to manufacture a test report.

Procurement from the above mentioned source will be given, if found satisfactory in all respect. The approval of source can be withdrawn without any Prior notice if found any deficiency in any aspect of the product/material.

Thanking You

  
(Sukumar K Padhy)  
Team Leader

Copy to : Project Director, NHAI- PIU – Dausa



**Innovative, Creative & Technologically Sustainable Infrastructure Solutions**

CIN: U74902DL1997PTC028933  
Corporate Office: A-8 Green Park, New Delhi 110016, INDIA  
Tel: +91 11 40763000 Fax: +91 11 26852522  
Email: [info@ictonline.com](mailto:info@ictonline.com)  
Website: <http://www.ictonline.com>

Site Office:  
Kamlesh Sharma, 510 CHOUSE LAL Ground Floor  
Suraj Nagar, Behind Anand Gun Godam  
Dausa - Rajasthan - 303002  
E-mail: [ictdaua@ictonline.com](mailto:ictdaua@ictonline.com)



# OUR CLIENT APPROVALS

**FP Project Management**  
Formerly Engineering Projects (India) Private Limited

**FP India Project Management Consultancy Services Pvt. Ltd.**  
 In JV with  
**K&J Projects Pvt. Ltd.**  
 In Association with  
**Indian Engineering Consultants India Pvt. Ltd.**  
 C-492, Ved Vyas Park, Near Pratik Estate, Opposite Sahakar Hospital & University, Shilpa Bypass NH-58, Meerut City, Uttar Pradesh - 250002. Email: fp.in@fpindia.com

Letter No. AE/TL/MEERUT-YAMUNA/2022/675 18th May 2022


**To,**  
 Authorized Signatory  
 Dineshchandra R. Agrawal Infracon Pvt. Ltd.  
 Plot No. C-516, Ved Vyas Puri  
 Near Meerut Public School  
 Meerut, Uttar Pradesh - 250002

**Subject:** Four laning with paved shoulder from Meerut to after bridge over river Yamuna, Haryana via Shamli from km 0+000 to 88+476 of NH 709A (0 at Meerut on ch. 67+550 of NH 58) in the State of Uttar Pradesh on EPC mode - **Reg- Source approval of chemical admixture MIS KMR Conchem Pvt. Ltd.**

Ref- Your letter no. DRAIP/NH-709A/AE/TL/MEERUT/2022/1280 dated 06.04.2022

Dear sir,  
 This has the reference regarding source approval of MIS KMR Conchem Pvt. Ltd. Mohali, Punjab. The submitted credentials and accreditation consultant approval letters, have examined by this office and found in order as per ASTM C1240-10a. & IS 91003 specifications, therefore accorded the provisional approval.  
 Final approval may accorded after successful trail mix result and third party test report.

Thanking you,  
 Yours faithfully,  
**For FP India Project Management Consultancy Services Pvt. Ltd. In JV with K&J Project Pvt Ltd and in association with Indian Engineering Consultants India Pvt. Ltd.**

  
**Mahendra Kumar Tiwari**  
 Team Leader cum Sr. Highway Engineer

Copy to:  
 1. The Project Director, PIU, Bagnat - for your information  
 2. Mr. Nitai Choudhary, General Manager, Head Office

Regional Office: 315, Balgandhi Wadi, New Prabhakar Road, Prabhakar, Mumbai 400025  
 Tel: +91-22-49623001, Email: mkt@fpindia.com

**Hexa Private Joint Stock Company** **LN Malviya Infra Projects Private Limited** **Nokang Infra Private Limited**

**PROJECT CONSULTANT SITE OFFICE**  
 3<sup>rd</sup> Floor, Gupta Building, HaridwaranBhawan, Lower Panthaghat, Mehli-Shoghi By Pass Road, Shimla-N.P-171009  
 Email ID: hexa.lnmshimlabypass2023@gmail.com

**LNMPPL/SHAKRAL-DHALLI/PKG-2/2025-26/0401** Dated: 22.05.2025

**To,**  
 Gawar Shimla Highway Pvt. Ltd.  
 c/o sh. Ram Lal Thakur  
 s/o sh. Paras Ram house no.4,  
 MLA colony Mehli, Shimla-9 (H.P.)


**Project:** Independent Engineer Services for (i) Construction of 4 laning of NH-5 from Shakral Village to Dhalli Section (Shimla Bypass Package II: from Km 145.300 to Km 156.560 and Shimla connectivity from Km 0.000 to Km 0.725 for Design Length 10.985 km) in Himachal Pradesh on Hybrid Annuity Mode" Regarding - Review of source approval of "M/s KMR Conchem Private Limited" for supply of Admixture and Accelerator for Tunnel works.

Ref - 1. GSHPL/Shimla Bypass/NH-5/Pkg-2/2025-26/1158, Dated 19.04.2024.

Dear Sir,  
 With reference to the above-cited letter at Sr. no. 01, vide which you have submitted the Credentials of "M/s KMR Conchem Private Limited", for Source approval of Admixture and Accelerator for Tunnel works. We have reviewed your submission and found it generally in order, subject to the following conditions: -

- 1) The concessionaire must submit third-party Admixture and Accelerator test certificates as per IS 9103 to the IE. These tests shall be conducted at any NABL-approved materials testing laboratory to confirm the required physical and chemical properties.
- 2) Site trials will be conducted to check the suitability of the admixture and accelerator.
- 3) Each of the supplied lots shall conform to requirements laid down in the latest editions and other relevant standards/ codes as applicable, which shall be reflected in the MTC to be submitted to IE.
- 4) Random samples, as required by the relevant standards, from various supplied lots of the material will be collected and sent for testing to an independent/Third-Party Laboratory accredited to NABL, of which the concessionaire shall bear the cost.
- 5) However, if any deterioration in the quality of material used on the project at any stage is found, such approval may stand cancelled, and the concessionaire shall be solely responsible for the same.

This is for your information and necessary action, please.

Yours Truly,  
  
**Deepak Kumar Tiwari**  
 (Team Leader)  
 For Hexa Private Joint Stock Co. JV with M/s L.N. Malviya Infra Projects Pvt. Ltd. & Association with Nokang Infra Pvt. Ltd.

CC:  
 1) P.D. NHAI, PIU-Shimla, Email: pdpplushimla@gmail.com  
 2) Mr. Devansh Jain, Project Coordinator Email: inn.devanshjain@gmail.com  
 3) Bharat Construction (India) Pvt. Ltd., Email: gshpl.shimla70@bcpl.in

**MSV INTERNATIONAL INC.**  
 In Association with  
**STERLING INDO TECH CONSULTANTS PVT. LTD.**  
sterling indo tech

**MSV International, Inc.**  
 House No-7291, Street No-1, Ward No-3, Opposite Unity Mallan House, Mallan Colony, Gidderbaha Dist:- Bathinda, Punjab - 152101  
 Email: msv.bathinda@gmail.com  
 CIN: FM214

AS PER GOVERNMENT OF HARYANA TO MALEED DISTRIBUTION OF NH-07 IN THE STATE OF PUNJAB UNDER BHARATMALA PARIYOJNA ON EPC MODE


**MSV-SITC/NHAI/BM /2021-22/295** Dated- 14-05-2022

**To,**  
 M/S Dineshchandra R Aggrawal Infracon Pvt. Ltd  
 Aggrawal Complex,  
 Near Lions Hall,  
 Deesa 985535 (Gujarat)  
 Email: dralinfra@punjab@gmail.com

**Subject:** Consultancy services for Authority's Engineer for Supervision of 4 laning and up gradation of Bathinda at Design Ch. 0+000(existing Km 123+200) to Malout intersection at design Ch-38+642(existing 84+600) section of NH-07 in the state of Punjab under Bharatmala Pariyojna on EPC Mode. **Submission of Credential of KMR Conchem Pvt.Ltd. for admixture source approval**

Sir,

1. Please refer your office letter no DRA/BMRP/BD/ 2021-2022/1380 dated 12.04.2022
2. After going through the credentials of KMR Conchem Pvt.Ltd. (PB) it is seen that the firm is supplying all types of Admixture to lot many Agencies engaged in the Construction of Highway Projects. The test results so obtained are also satisfying the laid down criteria. As such, the credentials of KMR Conchem Pvt. Ltd. are provisionally approved for supply of Admixture for use of all ongoing works on Bathinda-Malout, NH-07 section of Highway. However before use the following actions may be ensured.
  - (a) Carryout the trial test in our own field Lab jointly with Authority Engineer and test result be forwarded for our review and to issue final approval.
  - (b) Third party test in an accredited Lab need to be carried out before its use. The test results, so obtained be forwarded for our review and to issue final approval.
3. Please Acknowledge and confirm action as per paragraph 2 (a) & 2 (b) above before use.

Thanking You  


**Team Leader,**  
 MSV International Inc,  
 In association with,  
 M/s Sterling Indo tech Consultants Pvt. Ltd.  
 Bathinda-Malout, NH-07.

CC: - 1) Project Director, NHAI Bathinda (pjubathinda@gmail.com) for kind information please  
 2) HO MSV Sterling (info@msvgroup.com) for kind information please

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road, Gurgaon-122003 (Haryana) E-mail: info@msvgroup.com; Tel: 0091-124-2841160  
 USA Office MSV: 15215, 62nd Avenue N.E. Kenmore, Washington-98028, USA, Tel: 001-425-488-4442, Email: msvgroup@msn.com

# OUR CLIENT PO'S

**TATA PROJECTS**  
Simplify.Create

ORDER TYPE	SBU & PROJECT NAME	ORDER NUMBER	ORDER DATE	AMENDMENT NUMBER	AMENDMENT DATE
PURCHASE ORDER	TRANS & DIST (T&D) 765KV SC MAINPURI BARA TL EBRD	5500022073	03.09.2024		

**ANNEXURE 1: SCHEDULE OF QUANTITY, ITEM AND PRICE**

All Prices and Amounts in the below table are in (INR -Indian Rupee)

Sl.	Item Code	HSN / SAC Code	Tax Rate (%)	Item Description	UOM	Quantity	Unit Price	Tax Amount	Amount
10	2300140985	38244090	18.00	Metacrete PCT 300	KG	300.000			

Total Contract Price Excluding Taxes INR

Total Taxes INR

Total Contract Price Including Taxes INR

Amount in Words: (INR -Indian Rupee)

For TATA PROJECTS LIMITED,  
(Authorised Signatory(ies))

Page 3 of 7

**TATA PROJECTS LIMITED**  
One Boulevard 2nd 3rd & 4th Floor Lake Boulevard Street Powai Mumbai 400 076  
Tel + 91 22 6740 2900, Fax + 91 22 2570 0174  
e-mail: tpmumbai@tataprojects.com, www.tataprojects.com  
Registered Office Mithuna Towers 1 1-7-80 to 87 Prenderghat Road Secunderabad 500 003 Telangana, India

CIN: U65500MH2018PT1072142  
**KALUWALA CONSTRUCTION PVT. LTD.**

**Purchase Order**

PO No: - KCP/WH-543/24-25/PO/ 102 Date: 20 October 2024

To,  
KMR Conchem Pvt Ltd  
Plot No. 1110, Sector-123, Kharan, SAS Nagar (PB)-140301,  
Contact Number- 9478873061,  
E-mail: kmrindia.in@gmail.com  
GST NO-03AAJCK67212E

Ref: (i) Quotation No: KMR/24-25/0487 Dated 02 September 2024

Dear Sir,  
As per our telephonic discussion held over phone and under reference (i) cited above a Service/Purchase order is being placed as under:-


S.N.	Material	UOM	Quantity	Rate	GST Rate (%)	DISC. (%)	Amount	SGST	CGST	IGST	Total Amount
1	Concrete Admixture Metacrete PCT-300	Kg	20000		18						

Total Rupees In words

DELIVERY: At address near Kaushal Udyog (ITI), Chhindgaon Road Newargaon Kalan-481226, Balaghat (MP), Contact Person - Sh. Karambir Singh- 9307337877 (Store Incharge) & Sh. Manoj Kumar - 9808808005 (Material Engineer).

Remarks  
Admixtures conforming to IS-9103 and IS-6525 shall be accepted to improve workability of the concrete and/or extension of setting time, on satisfactory evidence that will not have any adverse effect on the properties of concrete with respect to strength, volume change, durability and have no deleterious effect on steel bars.

Kaluwala Construction Private Limited

  
Kaluwala Construction Pvt. Ltd.  
Auth. Sign.

Site Camp at Km 27- Near Kaushal Udyog (ITI), Chhindgaon Road Newargaon Kalan-481226, Balaghat.  
Site Camp at Km 10- Pungatola-481001, Balaghat (MP), Email- kcp.balaghat@kaluwalaconstruction.in  
Registration Number: 23AAHCK01720122

49, Vijay Nagar, Bhiwani  
M. 9053005101 | E-mail: kcp@kaluwalaconstruction.in

# OUR CLIENT PO'S

**SHIVALAYA CONSTRUCTION PVT. LTD.**  
 Plot No.137, Avtar Enclave, Paschim Vihar  
 New Delhi-110063  
 Tel: +91 11 45088679  
 E-Mail: info@sccgroup.co.in

**PURCHASE ORDER**

<b>Supplier</b> KMR CONCHEM PRIVATE LIMITED SUNNY ENCLAVE, PLOT NO 1110, SEC 123, C/O ANP BUILDCON, Kharar, SAS Nagar, Punjab-140301	<b>PO No.</b> : PO/JK/25-26/05/00021
<b>Address</b> 7015413837	<b>PO Date</b> : May 13, 2025
<b>Contact Person</b> Code VENDO11435	<b>Quote No./Date</b> :
<b>Contact No.</b> PAN AAJCK3672J	<b>Contact Person</b> : MR. VASU-7978379928
<b>Email</b> Kmrindia.in@gmail.com	
<b>Project Location</b> JKPROJ0001, Vijaypur-Kunjwani	

Sr.	Code	Part No.	HSN	Description / Make Specification	Unit	Qty.	Rate	GST %	GST Amount	Disc.	Amount
1	020101000002		3824	ADMIXTURE METACRETE PCT 300 PLUS	KG	20000		18		0.00	
Total Qty.						20000					
											Basic Price : 0.00
											Total GST Amount : 0.00
											Grand Total (Incl. Round off) : 0.00

In Words: \*\*\*\*\* ONLY

HSN Code	GST Base Amount	GST %	CGST	SGST	IGST	Total GST Amount
3824	0.00	18.00	0.00	0.00	0.00	0.00

**Billing Address**  
SHIVALAYA Construction Pvt. Ltd. Vijaypur-Kunjwani  
KC Manarva College of Education, KC Manarva Collg

**Delivery Address**  
SHIVALAYA CONSTRUCTION PVT. LTD.  
NEAR- BARI BRAHMANA , NEAR JALLO CHAK BRIDGE PURMA JALLO  
CHAK PURMANDAL , SAMBA JAMMU KASHMIR  
JAMMU 181145

Raya More Vijaypur, Samba, Jammu and Kashmir  
SAMBA - 184121 GST: 01AAACS2475A1Z1

**Remark: PLEASE MENTION PO NUMBER IN ALL DELIVERY CHALLANS AND INVOICES**

**Terms & Conditions** JURISDICTION: New Delhi

TDS U/s 134 Q - We hereby declare that our turnover for the previous financial year exceeds the threshold limit of INR 10 crores as per section 134Q of Income Tax Act, 1961. Hence if our purchase with you, exceeds INR 50 lacs then we shall deduct TDS at the rate of 0.1% as per the provisions of section 134Q of Income Tax Act, 1961. Further you're requested not to collect TCS on sale of goods as per section 206C (1)(b) of Income Tax Act 1961.

- The Company / Client Company reserves rights to amend and /or cancel Purchase order in part or whole as per project requirements due to any reason whatsoever including under performance and/or compliance of contractual conditions/or any variation in market rates etc with out any compensation.
- Gst inclusive in the amount.
- Payment terms: 100% PDC of 45 days from the date of delivery.
- Material, if found damaged after unloading, shall be rejected. Supplier shall clear it from site within 24hrs of verbal or written notice.
- Freight : FOB at site
- Transit Insurance inclusive in the rates above.
- Empty drum on returnable basis.
- As per RMC trial in presence of your technical team, we have found dose of 0.75 to 0.80% in mix design.
- In case of underperformance and /or over consumption the rates of your product will be decreased accordingly after the trial is cancelled and the balance material will return at your own cost.

For SHIVALAYA CONSTRUCTION PVT. LTD.

CIN: U45500HR2018PTC073142

**KALUWALA CONSTRUCTION PVT. LTD.**

**Purchase Order**

Ref No: - KCPL/NH-543/24-25/PO/264 Date:06-05-2025

To,  
**KMR Conchem Pvt Ltd**  
 Plot No. 1110, Sector-123, Kharar, SAS nagar (PB)-140301  
 Contact Number-9478873061  
 Email:-kmrindia.in@gmail.com  
 GSTIN : 03AAJCK3672J1ZE

Ref: (I) Quotation No: QN-KMR/24-25/0487, Dated:-02-09-2024

Dear Sir,  
 As per our telephonic discussion held over phone and under reference (I) cited above a Service/ Purchase order is being placed as under:-

S.N.	Material	Unit	Quantity	Rate (in Rs.)	Amount	Disc(%)	Taxable Amount	IGST 18%	IGST	Grand Total
1	Concrete Admixture Metacrete PCT-300	kg	20000					00	18%	00
Total										00.00

In Words: \*\*\*\*\* ONLY

**DELIVERY:** At address near Kaushal Udyog (ITI), Chhindgaon Road Newargaon Kalan-481226, Balaghat (MP).  
 Contact Person - Sh. Karambir Singh-8307337877(Store Incharge) & Sh. Manoj Kumar-9808808005 (Material Engineer).

Remarks-Admixtures conforming to IS-9103 and IS-6925 shall be accepted to improve workability of the concrete and/or extension of setting time, on satisfactory evidence that will not have any adverse effect on the properties of concrete with respect to strength, volume change, durability and have no deleterious effect on steel bars.

**Kaluwala Construction Private Limited**

*(Signature)*  
 Kaluwala Construction Pvt. Ltd.  
 Auth. Sign.

**Authorized Signatory**

Site Camp at Km 27- Near Kaushal Udyog (ITI), Chhindgaon Road Newargaon Kalan-481226, Balaghat,  
 Site Camp at Km 10- Ringatola-481001, Balaghat (MP), Email- kcp.l.balaghat@kaluwalaconstruction.in  
 Registration Number: 23AAHCKD172D122

Site Office- Near Kaushal Udyog (ITI), Chhindgaon Road Newargaon Kalan-481226, Balaghat (MP), E mail- kcp.l.balaghat@kaluwalaconstruction.in

49, Vijay Nagar, Bhiwani  
 M. 9063005101 | E-mail: kcp.bhiwani@gmail.com

# OUR CLIENT PO'S

**Ram Kumar Contractor Private Limited**  
 CIN: 1945200HR2013PTG049491

Ref No.: RKC/NH-44/09 Date: 18.01.2024

To  
 KMR CONCHEM Pvt Ltd.  
 Plot No. 1110, Sector-123, Kharar,  
 SAS Nagar (PB)-140301  
 GST No. 03AAJCK3672J1ZE

**Sub: PO of Metacrete PCT 250 (Admixture) for our project site**

Dear Sir,


With reference to your quotation. We are pleased to place the Purchase Order for supply of **Metacrete PCT 250 (Admixture)** as per details given below:-

Sr. No.	Item/Specification	Qty.	Unit	Rate/unit	Amount in Rs.
1.	Metacrete PCT 250	5	MT		
<b>Total</b>		<b>5</b>			

**General Terms & Conditions:-**

- Rate: The above prices are FOR at site.
- Tax: The above prices are exclusive of GST.
- Billing Name: Ram Kumar Contractor Pvt. Ltd.
- Billing Address: Vidya Sagar Dental Clinic, First Floor, Club Road, Sangrur, 148001.
- Delivery Address: ROB at CH-230, NH-44, Near Mayur Simran Dhaba, Rajpura, 140401.
- Site Contact Person & Contact no.: Mr. Prince Goyal & 9034453773
- E-mail Id: Pnpjial@rkcp.l.in
- Order Validity: - 30 Days from PO date.
- Our GSTIN:- 03AAGCR4421H1ZQ
- Our PAN No:- AAGCR4421H

Thanking you

For Ram Kumar Contractor Pvt. Ltd.  
  
 Anand Singh, Signatory

H.O. SCF-60, 2nd Floor, Sector-8, Panchkula - 134109 (Haryana) @ pnpjial@rkcp.l.in

**DINESHCHANDRA R. AGRAWAL INFRACON PVT LTD**  
 Engineers & Contractors  
 Add: Agrawal Complex, Opp Lions Hall, Deesa, Banaskantha, Gujarat, Deesa-385535, GUJARAT, India  
 Ph. : 7930008789 Fax : 79-40022556 Email : drainfra89@gmail.com Website : www.draipl.com

To: **KMR CONCHEM PVT. LTD.**  
 SUNNY ENCLAVE, PLOT NO 1110,  
 SEC 123, C/O ANP BUILDCON, KHARAR,  
 SAS NAGAR-140301  
 GST NO. 03AAJCK3672J1ZE  
 Party state : PUNJAB  
 PAN No. AAJCK3672J

**PURCHASE ORDER**  
 Order No. : DRA/JUN/2023/MS-151  
 Order Date : 06/06/2023  
 Indent No. : MS-23 (8-6-2023)  
 Quotation No: By mail  
 Quotation By : Mr. VINAY UPADHYAY  
 PO Valid Date : 21/06/2023  
 PO Subject : Purchase order for Admixture Kamcrete PCT 27  
 PO For : Admixture Kamcrete PCT 27

Dear Sir,

With reference to our old Purchase Order DRA/MAR/2021/MS-248 DTD:- 04-03-2021 we are pleased to place an order on you as per below mentioned item and commercial terms and conditions.

Sr. ID No / Part No	Items	HSN Code	Qty.	Unit	Rate	Taxable Amt.	IGST
1	Admixture Kamcrete	3824	2,000.00	KGS			18%
Desc. : CAMP-01							
2	Admixture Kamcrete	3824	8,000.00	KGS			18%
Desc. : CAMP-02							
			<b>Total</b>	<b>10000</b>			
			<b>Total</b>				
			<b>GST Amount</b>				

**Terms & Conditions:**

- PRICE :** The above quoted rate FOR at site including Loading
- TAX :** GST included in calculated amount.
- DELIVERY ADD:**
  - Dineshchandra R Agrawal Infracon Pvt Limited  
 79TO87, 140,141 Village SARORA  
 Tehsil: BARAUT, Dist: BAGHPAT Uttar Pradesh  
 Dist: BAGHPAT,UTTAR PRADESH-250622
  - Dineshchandra R. Agrawal Infracon Pvt Ltd  
 VILLAGE:- PATNI PARTAPUR  
 SHAMLI KARNAL ROAD

Prepared By: SATENDRAKUMAR MAURYA  
 Checked By: NARENDRA KAUSHIK  
 Approved By: PUNEET GAUTAM (GENERAL MANAGER)

# TEST CERTIFICATES



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 9129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbthpl.com



### TEST RESULTS

Test Certificate No: 25050043		Ref. No. & Date: KMR/05232
Issue Date: 03.04.2025	Date of Sample Receipt: 27.03.2025	
Issued To: M/S KMR CONCHEM PVT. LTD., PLOT NO.110, SECTOR-123, KHARAR, SAS NAGAR (FBD.)	Job Order No.: 25010043	
Sample Particulars: Sample of Admixture Metaplast PCT 300 (PQC).	DATE OF TESTING 27.03.2025 TO 03.04.2025 Testing Protocol IS:9103 : 1999	
NAME OF PROJECT: NIL		

Sr.No.	Properties	Results	Test Method	Specified Limit as per IS 9103 : 1999 (Reaffirmed 2018) with Amendment No 2
01	Appearance	Reddish Brown Colour Liquid	Visual	-
02	Relative Density	1.091	IS 9103-1999	±0.02 of Manf. Stated Value
03	pH value	6.21	IS 9103-1999	Min. 6.00
04	Dry Material Content (% by weight)	24.25	IS 9103-1999	± 5.0% of Manf. Stated Value
05	Ash Content (% by weight)	2.12	IS 9103-1999	± 5.0% of Manf Stated value
06	Chloride content (% by weight)	NIL	IS 6925-73	Within 10% of Manf. Stated value or 0.2% Max

\*\*\*End of the Report\*\*\*

*Chakradhar*  
 Checkd by



- Note : 1. Balance Sample will be retained only for three month.  
 2. The result listed refer only to the tested sample and applicable Parameters. Endorsement of product is neither inferred nor implied.  
 3. Total liability of our works is limited to invoiced amount.  
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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT,PANCHAYAT RAJ.



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 9129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbthpl.com



### TEST RESULTS

9103 : 1999

Test Certificate No: 25050042		Ref. No & Date: KMR/05222
Issue Date: 03.04.2025	Date of Sample Receipt: 27.03.2025	
Issued To: M/S KMR CONCHEM PVT. LTD., PLOT NO.110, SECTOR-123, KHARAR, SAS NAGAR (FBD.)	Job Order No.: 25010042	
Sample Particulars: Sample of Admixture Metacrete FCT 300.	DATE OF TESTING 27.03.2025 TO 03.04.2025 Testing Protocol IS:9103 : 1999	
NAME OF PROJECT: NIL		

Sr.No.	Properties	Results	Test Method	Specified Limit : 1999, per IS 9103 : 1999 (Reaffirmed 2018) with Amendment No 2
01	Appearance	Reddish Brown Colour Liquid	Visual	-
02	Relative Density	1.089	IS 9103-1999	±0.02 of Manf. Stated Value
03	pH value	6.67	IS 9103-1999	Min. 6.00
04	Dry Material Content (% by weight)	26.84	IS 9103-1999	Min. 6.00 Stated
05	Ash Content (% by weight)	2.37	IS 9103-1999	± 5.0% of Manf Stated value
06	Chloride content (% by weight)	NIL	IS 6925-73	Within 10% of Manf. Stated value or 0.2% Max

\*\*\*End of the Report\*\*\*

*Chakradhar*  
 Checkd by



- Note : 1. Balance Sample will be retained only for three month.  
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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT,PANCHAYAT RAJ.

# TEST CERTIFICATES



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 0129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbthpl.com



### TEST RESULTS

Test Certificate No: 25050044	
Issue Date: 03.04.2025	Ref. No & Date: KMR/05543
Issued To: M/S KMR CONCHEM PVT. LTD. PLOT NO.118, SECTOR-123, KHARAR, SAS NAGAR (PH-140901)	Date of Sample Receipt: 27.03.2025
Sample Particulars: Sample of Admixture Metacrete PCT 350	Job Order No.: 25010044
DATE OF TESTING 27.03.2025 TO 03.04.2025 Testing Protocol IS:9103 : 1999	

Sr.No.	Properties	Results	Test Method	Specified Limit as per IS 9103: 1999 (Reaffirmed 2018) with Amendment No 2
01	Appearance	Reddish Brown Colour Liquid	Visual	-
02	Relative Density	1.106	IS 9103-1999	±0.02 of Manf. Stated Value
03	pH value	6.98	IS 9103-1999	Min. 6.00
04	Dry Material Content (% by weight)	39.10	IS 9103-1999	± 5.0% of Manf. Stated Value
05	Ash Content (% by weight)	2.92	IS 9103-1999	± 5.0% of Manf Stated value
06	Chloride content (% by weight)	NIL	IS 6925-73	Within 10% of Manf. Stated value or 0.2% Max

\*\*\*End of the Report\*\*\*

Checked By: AUTHORIZED SIGNATORY

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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT,PANCHYAT RAJ.



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 0129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbthpl.com



### TEST RESULTS

Test Certificate No: 25050046	
Issue Date: 03.04.2025	Ref. No & Date: KMR/05238
Issued To: M/S KMR CONCHEM PVT. LTD. PLOT NO.118, SECTOR-123, KHARAR, SAS NAGAR (PH-140901)	Date of Sample Receipt: 27.03.2025
Sample Particulars: Sample of Admixture Metacrete RB	Job Order No.: 25010046
DATE OF TESTING 27.03.2025 TO 03.04.2025 Testing Protocol IS:9103 : 1999	

SR.NO.	PARAMETER	OBSERVATION	SPECIFICATION (As per ASTM C309-81)
01	Appearance	A greyish silver colour liquid	A greyish silver colour liquid
02	Relative Density at 27° C	0.839	0.800 – Min
03	Curing Efficiency	93.5%	90%
04	Water loss (Kg/M <sup>3</sup> )	0.46	Max 0.55 (Kg/M <sup>3</sup> ) in 72 hour
05	Drying Time	129 min	Max. 240 minutes
06	Reflectance Properties Day Light Reflectance	66	Min 60%
07	Non Volatile Content (% by Mass)	12.5	Max 15 %
08	Flash Point	4° C	Min. 10°C

\*\*\*End of the Report\*\*\*

Checked By: AUTHORIZED SIGNATORY

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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT,PANCHYAT RAJ.

# TEST CERTIFICATES



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 0129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbtthpl.com



### TEST RESULTS

Test Certificate No: 25050047		Ref. No & Date:	KMR/05239
Issue Date:	03.04.2025	Date of Sample Receipt:	27.03.2025
Issued To:	MS KMR CONCHEM PVT. LTD, PLOT NGL118, SECTOR-123, KHARAR, SAS NAGAR (PB-140301)	Job Order No.:	25010647
Sample Particulars:	Sample of Admixture Metacore WB.	DATE OF TESTING	
NAME OF PROJECT: NIL		27.03.2025 TO 03.04.2025	
Testing Protocol IS:9103 : 1999			

Sr.No.	PARAMETER	OBSERVATION	SPECIFICATION (As per ASTM C309-81)
01	Appearance	White Colour Liquid	White Colour Liquid
02	Relative Density at 27°C	0.856	0.800 – Min
03	Curing Efficiency	91%	90%
04	Water loss (Kg/M <sup>2</sup> )	0.49	Max 0.55 (Kg/M <sup>2</sup> ) in 72 hour
05	Drying Time	127 min	Max. 240 minutes
06	Reflectance Properties Day Light Reflectance	62.5	Min 60%
07	Non Volatile Content (% by Mass)	11	Max 15 %
08	Flash Point	44° C	Min. 10°C

\*\*\*End of the Report\*\*\*

Checked By:   
 AUTHORIZED SIGNATORY

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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT, PANCHAYAT RAJ.



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
 (Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
 Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FBD.)  
 PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 0129-2211344  
 E-mail : sbthagra@rediffmail.com, Web : site-www.sbtthpl.com



### TEST RESULTS

Test Certificate No: 25050048		Ref. No & Date:	KMR/05138
Issue Date:	03.04.2025	Date of Sample Receipt:	27.03.2025
Issued To:	MS KMR CONCHEM PVT. LTD, PLOT NGL118, SECTOR-123, KHARAR, SAS NAGAR (PB-140301)	Job Order No.:	25010048
Sample Particulars:	Sample of Admixture Metacore PCT 300(A*) (Shortcrete)	DATE OF TESTING	
NAME OF PROJECT: NIL		27.03.2025 TO 03.04.2025	
Testing Protocol IS:9103 : 1999			

Sr.No.	Properties	Results	Test Method	Specified Limits
01	Relative Density	1.423	IS 9103-1999	±0.02 of Manf. Stated Value
02	pH value	2.65	IS 9103-1999	3.0±1.0
03	Dry Material Content (% by weight)	55.32	IS 9103-1999	± 5.0% of Manf. Stated Value
04	Setting Time with Fresh Concrete, (Dosage @7% by wt of the cement at 27±2 OC			
a.	Initial Setting	2:16 Minutes	IS 9103-1999-	4 Minutes Max
b.	Final Setting	7:32 Minutes	IS 9103-1999-	12 minutes Max

\*\*\*End of the Report\*\*\*

Checked By:   
 AUTHORIZED SIGNATORY

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BRANCH OFFICE : Lucknow, Bhopal, Pune & Visakhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT, PANCHAYAT RAJ.

# TEST CERTIFICATES



## DELHI TEST HOUSE®

(A Unit of Delhi Test House Global LLP)

A-62/3, G.T. Karnal Road, Industrial Area, Near Metro Pillar No. 600, Azadpur, Delhi-110 033 (INDIA)  
Ph. : +91-11-47075555 (30Lines) E-mail : info@delhitesthouse.com  
Website : www.delhitesthouse.com

Report No.: GEN250428139  
Report Date: 06-Jun-2025  
ULR No.: TC1446125000022538F

### TEST REPORT



Report Issued To:	Sample Received On	Analysis Duration
Start Date	Completion Date	
THE CHIEF EXECUTIVE OFFICER NEW INDIA CONTRACTORES AND DEVELOPERS PVT LTD- KPL (JV) 31/2 SECTOR 28-D, CHANDIGARH, Punjab,	28-Apr-2025	29-Apr-2025
		05-Jun-2025

#### Sample Description :-

Sample Name : ADMIXTURE  
Test Reference : IS 9103-1999  
Sample Quantity : 2 LTR  
Source/ Make/ Brand : KMR CHEMICALS  
Customer Letter Ref. No. : KPL/2024-25/NHAC-TIG-DAK  
Letter Dated : 25.04.2025  
Marks : CONSTRUCTION OF FOUR/SIX LANE GREENFIELD CONNECTIVITY FROM TALWARA JATTA VILLAGE ON NH-44 TO GOBINDSAR VILLAGE ON DELHI-AMRISTAR-KATRA EXPRESSWAY FROM KM 0.090 TO KM 12.345 (PATHANKOT LINE ROAD) IN THE STATE OF PUNJAB ON EPC MODE UNDER NH (O),M/S KHANDAY INFRASTRUCTURE PVT. LTD.

#### Test Results :

Sr.No	Specific Test	Units	Requirements	Result	Test Method
<b>Discipline : CHEMICAL</b>					
<b>Main Group : BUILDING MATERIALS</b>					
1	Dry Material Content (DMC), Cl. No. 9.0, Table-2	%	0.95T±DMC<1.05T	26.9	IS 9103
2	Ash Content (AC), Cl. No. 9.0, Table-2	%	0.95T±AC<1.05T	2.80	IS 9103
3	Relative Density (at 20±5°C), Cl. No. 9.0, Table-2	-	±0.02 Manufacturer Stated Value	1.09	IS 9103
4	Chloride Ion Content, Cl. No. 9.0, Table-2	%	within 10% of the value or within 0.2% whichever is greater stated by manufacturer.	<0.001	IS 9103
5	pH, Cl. No. 9.0, Table-2	-	6.0 Min.	7.10	IS 9103
<b>Discipline : MECHANICAL</b>					
<b>Main Group : BUILDING MATERIALS</b>					
6	Water content percent of control sample, Cl. 7.2.5, Table-1A	%	80 Max.	77.0	IS 1199 (P-2)

Reviewed By

*[Signature]*

Authorised By

*[Signature]*

Page 1 of 3

AJIT SINGH

BARUN KUMAR MISHRA

SR. ANALYST

LAB MANAGER (MECH)

BRANCH OFFICES ALL ACROSS INDIA

QR-0302



## SHREE BALAJI TEST HOUSE

(GOVT APPROVED & ISO CERTIFIED TESTING & CALIBRATION LABORATORY)  
(Building Material, Road Material & Soil, Survey, NDT Testing And Calibration Lab)  
Add : FCA-560 B, EAST CHAWLA COLONY, BALLABGARH (FRO.)  
PHONE : 9212774833, 9219591810, 9219591813, 7065002947, 0129-2211344  
E-mail : sbthagra@rediffmail.com, Web : site-www.sbtbpl.com



### TEST RESULTS

Test Certificate No: 25050045	Issue Date: 03.04.2025	Ref. No. & Date: KMR/05243
Issued To: M/S KMR CONCHEM PVT. LTD., PLOT NO.103, SECTOR-13, AMBAR, SAS NAGAR (P.B.)-140301.	Date of Sample Receipt: 27.03.2025	
Sample Particulars: Sample of Admixture Metacrete PCT 250.	Job Order No.: 25010045	
NAME OF PROJECT: NIL	DATE OF TESTING: 27.03.2025 TO 03.04.2025	Testing Protocol: IS 9103 : 1999

Sr.No.	Properties	Results	Test Method	Specified Limit as per IS 9103 : 1999 (Reaffirmed 2018) with Amendment No 2
01	Appearance	Reddish Brown Colour Liquid	Visual	-
02	Relative Density	1.085	IS 9103-1999	±0.02 of Manf. Stated Value
03	pH value	6.82	IS 9103-1999	Min. 6.00
04	Dry Material Content (% by weight)	21.8	IS 9103-1999	± 5.0% of Manf. Stated Value
05	Ash Content (% by weight)	2.31	IS 9103-1999	± 5.0% of Manf. Stated value
06	Chloride content (% by weight)	NIL	IS 6925-73	Within 10% of Manf. Stated value or 0.2% Max

\*\*\*End of the Report\*\*\*

*[Signature]*  
CHIEF QUALITY



AUTHORISED SIGNATORY

Note : 1. Balance Sample will be retained only for three month.  
2. The result listed refer only to the tested sample and applicable Parameters. Endorsement of product is neither inferred nor implied.  
3. Total liability of our work is limited to invoiced amount.  
4. This report cannot used as an evidence in a court of law without the written approval of the lab.  
5. Certificate shall not be reproduced except in full, with out the written approval of the laboratory.

BRANCH OFFICE : Lucknow, Bhopal, Pune & Vraukhapatnam, Mumbai, Jabalpur

OUR CLIENTS : NHAI, RITES, POWERGRID CORPORATION, INDIAN RAILWAY, P.W.D., C.P.W.D., M.E.S. RELIANCE, IRRIGATION DEPARTMENT, PANCHAYAT RAJ.

*Our Portfolio comprises of a wide array of Products. The Same have been mentioned below:*

**Concrete  
Admixture**

**Accelerators &  
Shortcrete**

**Water Proofing  
Compounds**

**Curing Compounds**

**Shuttering Release Agents**

**Micro-Silica**

# OUR PRODUCTS



## ADMIXTURES

Chemical admixtures are used to modify and improve the properties of fresh and hardened concrete or mortar.

### Products

### Description

### Typical Users

### Dosage/Coverage/Yield

#### ★ Water Reducing Admixtures (Plasticisers)

##### METAPLAST P 100

1, 5, 20 and 200 litres

Water reducing admixtures. Conforms to IS:9103-1999 & Complies with ASTM C494 as Type A.

All structural and general concrete where improved density and quality are required. Cement saving where excess cement proves necessary to obtain target strength.

0.5 - 1.5 liter / 100kg of total cementitious material

##### METAPLAST P 200

1, 5, 20 and 200 litres

slump retaining and water reducing admixtures. Complies with BS 5075 part 1 and ASTM C 494 as Type D & IS:9103-99.

Cement saving can be made without reduction in strength and work ability. Used for all structural concrete where improved density and quality are required.

0.5 - 1.5 liter / 100kg of total cementitious material

#### ★ High Range Water Reducing Admixtures (Superplasticisers) -SNF Based

##### METAPLAST SPT 200

1, 5, 20 and 200 litres  
Also in 250 kg

High Performing water reducing superplasticisers. Conforms to IS:9103-1999 also complies with IS 2645-2003, BS5075 part 3 and ASTM C-494 Type F.

To produce pumpable concrete for low water cement ratio concrete. Easy compaction in heavily reinforced concrete bridges, foundations columns, beams and narrow formwork units.

0.5 to 2 percent by weight of total cementitious material

##### METAPLAST SPT 300

1, 5, 20, 200 litres.  
Also in 200 & 250 kg

High range superplasticising admixture. Complies with IS 9103.1999 and BS 5075 Part 3, it also conforms to ASTM C-494 Type F and Type G depending on the dosage used.

Speeds up construction, increases work ability and cohesion, aids pumping by reducing line friction and dry packing, low porosity resulting in sustain ability Improved water penetration resistance.

0.5 to 2 percent by weight of total cementitious material

##### METAPLAST SPT 300 (PQC)

200kg & bulk supply.

Superplasticising admixture for PQC concrete. Metaplast SPT 300 PQC complies with IS:9103:1999 and BS : 5075 part 3. Metaplast SPT 300PQC conforms to ASTM-C-494 Type 'G' depending on the dosage used.

Best Suitable for PQC concrete by substantial reduction in water resulting in low permeability and high early strength.

0.5 to 2 percent by weight of total cementitious material

#### ★ Air Entraining Agents

##### METAPLAST AEA

1,5, 20 and 200 litres & bulk supply

Air entraining admixture. Metaplast AEA complies with Bs5075 Part 2, BS 4887 Part 1, ASTM C260.

To produce air entrained concrete for increased durability and resistance to damage by frost and deicing salts. Typical applications include concrete roads and concrete dams, airport, kerb concrete, runways and taxiways and other extensive areas of concrete exposed to potential frost damage.

0.05 liters to 0.5 litres per 100kg of total cementitious material

# OUR PRODUCTS



## Products

## Description

## Typical Users

## Dosage/Coverage/Yield

### ★ High Range Water Reducing Admixtures (Hyper Plasticisers) - PCE Based

#### METACRETE PCT 250

5,200 kg drums and bulk supply.

High performance PCE based admixture for wide range of concrete grades.

Metacrete PCT 250 is a high performance retarding superplasticiser intended for applications where retardation and long workability retention are required.

0.5 to 1.5 percent by weight of total cementitious material

#### METACRETE PCT 300

5, 200, 250 kg drums and bulk supply.

Advanced low viscosity retarding superplasticiser, based on polycarboxylic technology.

Metacrete PCT 300 is a high performance retarding superplasticiser intended for applications where retardation and long workability retention are required and it has been developed for use in : Mass reft foundation, Pumped concrete, Concrete requiring long workability retention, High Performance concrete.

0.5 to 1.5 percent by weight of total cementitious material

#### METACRETE PCT 350

5, 200, 250 kg drums and bulk supply.

Advanced low viscosity retarding superplasticiser, based on polycarboxylic technology. Metacrete PCT 350 complies with IS:9103-1999. It also complies with ASTM C494 Type G.

Metacrete PCT 350 is a high performance superplasticisers intended for applications where high water reduction and long workability retention are required, and it has been developed for use in. Self-compacting concrete, Pumped concrete, Concrete requiring long workability retention.

0.5 to 1.5 percent by weight of total cementitious material

#### METACRETE PCT 350 PQC

200 Kg, 250 Kg drums and bulk supply.

Advanced low viscosity high performance superplasticiser, based on polycarboxylic technology Metacrete PCT 350 PQC complies with IS:9103-1999. It also complies with ASTM C494 Type G.

Metacrete PCT 350 PQC is best suitable for PQC Concrete by substantial reduction in water resulting in low permeability and high early strength.

0.5 to 1.5 percent by weight of total cementitious material



# OUR PRODUCTS

## Products

## Description

## Typical Users

## Dosage/Coverage/Yield

### ✦ ACCELERATORS & SHORTCRETE

#### METACRETE PCT 300 (A+)

5, 20, 200 litres & 200 kg

Accelerating admixture complies with IS: 9103-199, Bs5075 Part 1 and ASTM C494 Type C.

To accelerate the setting and early strength gain of portland cement concrete and mortar. Typical application includes precast concrete sections, concrete placed in cold weather conditions and concrete repairs etc.

cementitious material

### ✦ SHUTTER RELEASE AGENTS

#### METAEASE SPL

5, 20, and 200 litre

Chemical mould release agent.

To Provide quick, clean and easy stripping of moulds and formwork and ensure high quality fair faced and stain free concrete.

Metaease SPL 20-60m<sup>2</sup>/ litre depending on porosity & texture of mould surface.

### ✦ WATER PROOFING COMPOUNDS

#### METABOND SBR

1,5 & 20 litres

Styrene Butadiene polymer bonding agent cum cement mortar/concrete modifier

Used to modify the concrete for repairing distressed RCC members and to modify mortars as water proofing and flooring render

200 - 300 ml/50Kg Cement

#### METABOND SBR LATEX

1, 5 & 20 litres

Mortar and Screed modifier cum bonding aid

For modifying and improving bonding of floor toppings, renderings and mortars: repair of worm, damaged and spalled concrete, repair of large cracks: polymer modified floor screeds: waterproof plasters for masonry and slurries.

200 - 250 ml/50Kg Cement

## CURING COMPOUNDS

Curing membranes & release agents for improve the surface finish of concrete.

## Products

## Description

## Typical Users

## Dosage/Coverage/Yield

#### METACURE WB

5, 20 and 200 litres

Low viscosity wax emulsion, wax based concrete curing compound. Complies to ASTM C309-90.

For spraying on freshly cast concrete, or newly exposed concrete surfaces after removal of form work, to form a temporary membrane which will retain sufficient moisture for effective curing to take place.

4 - 5.5 m<sup>2</sup> / Liter

#### METACURE RB

20 and 200 litres

High efficiency polymeric resin based film forming curing agent. Metacure RB gives 90% or greater curing efficiency when tested as per BS 7542-1992.

As a spray applied membrane to retain moisture in concrete for effective curing. Suitable for all general concrete application and of particular benefit for large area concrete surfaces, such as airport runways, PQC roads and bridge works.

4 - 5.5 m<sup>2</sup> / Liter

# PRODUCTS DESCRIPTION



## METAPLAST SPT 200

Super Plasticizer

### ADVANTAGES

- Imparts extreme fluidity
- Allows water reduction (20-30%)
- Higher early & ultimate strength
- Rapid placing with no vibration.
- Improved surface Finish, cohesion.
- Improved Surface Finish, cohesion.
- Reduced shrinkage & cracks.
- Chloride Free.
- Produce denser more durable concrete

### PRODUCT

Metaplast SPT 200 high range water reducing super plasticizer for concrete, mortars provide very high water reduction, complying to ASTM C-494 type-F BS 5075 part 3 IS 9103 1999

### COMPOSITION

Metaplast SPT 200 is a brown liquid based on selected Synthetic sulphonated naphthalene formaldehyde condensates.

### PURPOSE

To impart very high work ability without the addition of extra water or to enable large water reduction to be made for higher early & ultimate Strength.



### DOSAGE

250 ml to 700ml / 50 kg Cement. Optimum dosage should be determined by site trials.

### PACKAGING

100, 250 Kg. Drums or Bulk delivery.

### DESCRIPTION

Metaplast SPT 200 is a powerful super plasticizer dispersing agent based on modified sulphonate naphthalene formaldehyde condensate.

### BENEFIT

1. Flowable concrete: Metaplast SPT 200 greatly produce flowing concrete with higher strength. In comparison of normal strength this Flowable concrete allows rapid placing of concrete with little or no vibration and makes the concrete denser for increased durability
2. High early strength: Metaplast SPT 200 gives high early strength if advantage of water reduction is taken upto 25% significant increase in ultimate strength improved surface finish, Improved water tightness no adverse shrinkage effect specially suitable for congested & heavily reinforce concrete.

### WHERE TO USE

- Precast & Prestressed concrete
- Floor slabs, girders
- Foundation
- Walls, columns, beams and ceiling
- Pump concrete, mass concrete
- Congested reinforcement concrete
- Low water / cement concrete
- Ready mixed concrete



## TECHNICAL DATA

- Appearance : Liquid
- Colour : Brown
- Chloride Content : Nil
- pH Value : Min 6

## METHOD OF USE

Metaplast SPT 200 is added to part mixing (Gauging) water. The dosage rate is 300 ml-900ml / 50 kgs. cement bags. Optimum dosage should be determined by site trials.



## OVERDOSING

Should be avoided since it may produce a concrete which may segregate and retard setting of concrete.

## STORAGE LIFE

Metaplast SPT 200 has shelf life of one year in manufacturer's unopened containers protected from frost & direct sunlight.

## HEALTH & SAFETY

Metaplast SPT 200 is an industrial chemical, ingestion should be avoided.

## COMPATIBILITY

- Metaplast SPT 200 is compatible with all types of cement.e.g. OPC, PPC, PSC etc.
- Metaplast SPT 200 is compatible with all air entraining agent which complies with IS 9103-1999 and integral water proofing compound which complies with IS 2645-1978. If other admixture are to be used in concrete containing Metaplast SPT 200, they must be dispensed separately.



# METACRETE PCT 350 PQC



Super Plasticiser For Low W/C Ratio Concrete

## ADVANTAGES

METACRETE PCT 350 (PQC) produces cohesive Concrete for jobsite application especially meant for pavement quality concrete which needs initial moderate slump like 50+10mm and 30+15mm at the discharge point to feed the sleep form paver. The maximum retention period may be as long as 90 minutes commencing from the moment the water is added in the mix. Hence, retention period may vary according to the distance to be covered by the Tipper Truck. This can be simply achieved by adjusting the dosage of

Even with very less cementitious and fine content, lubrication is provided by the product to ensure smooth movement of the paving machine. At the same time unwanted event of edge collapse can also be eradicated through usage of this product.

## TECHNICAL DATA

- Appearance : Light yellow coloured liquid
- Specific Gravity : 1.07 - 1.1 g/cc
- PH value : Min 6
- Chloride Content : Nil
- Volumetric Mass @ 20°C: 1.09 kg/litre
- Alkali Content : Typically less than 1.5g Na<sub>2</sub>O equivalent/litre of admixture
- Air Entrainment : 1% additional Air

## PACKAGING

- 250 Kgs Barrels & bulk in 10 Kl tanker

## DESCRIPTON

METACRETE PCT 350(PQC) is a special water reducing plasticiser based on modified polycarboxylde it compiles as per specification IS 9103-1999 ASTM C-494-1986 type G

METACRETE PCT 350(PQC) is particularly recommended for job sites requiring very low plasticity. Concrete with homogenous and cohesive mix without any hint of Segregation, bleeding. Also to retain that low work ability



## METHOD OF USE / DOSAGE

Optimum Dosage can only be established after trials, taking into account the rheological characteristics and the required mechanical performances. Normal Dosage is generally in the range of 0.5-1.5% by weight of cementitious material for maximum disperency throughout the mix, METACRETE PCT 350 (PQC) should be added to the mixing water only. Should the product be added to the fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum 3 minutes at each speed).

**Shelf Life :** If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months could be expected.

## WHERE TO USE

- Low workability for Long time required.
- Low slump concrete
- Pavement Quality Concrete

**PRECAUTION :** Not to be Stored at high temperature long periods. Should be protected from frost. It, is toxic and formulated from chemicals which present a fire or health hazards.

# METACRETE PCT 300

Super Plasticiser For Low W/C Ratio Concrete



## ADVANTAGES

- Flowable mix without bleeding and segregation.
- High water reduction-upto 30%
- High early strength
- Produces flowable concrete resulting in easy placing and eliminates honeycombing.
- Reduction in shrinkage cracks.
- Less permeable and hence more durable concrete.

## TECHNICAL DATA

- Appearance : Light Yellow Liquid
- Specific Gravity : 1.08 +/-0.02 at 25°C
- Chloride Content : Nil
- pH Value : Min 6

## PRODUCT

Metacrete PCT 300 is the new generation super plasticising admixture base on modified Polycarboxylate. It complies as per specification IS: 9103-1999 and ASTM-C-494-86, Type G, Metacrete PCT 300 is especially designed for concrete mixer, which helps in ultra high water reduction, excellent flow characteristics, etc.

## COMPOSITION

Metacrete PCT 300 is a light yellow liquid based on super plasticising admixture based on modified polycarboxylate.

## WHERE TO USE

- Precast Concrete
- High Volume fly ash concrete
- High performance concrete
- Reinforced concrete

## COMPATIBILITY

- Metacrete PCT 300 is compatible with all types of cement e.g. OPC, PPC, PSC etc.
- Metacrete PCT 300 is compatible with all air entraining agents that comply with IS 9103-1999

and integral water proofing compounds that comply with IS 2645-1978. If other admixture is to be used in concrete containing Metacrete PCT 200 they must be dispensed separately.

## PACKAGING

50, 100, 250 Kg. in plastic barrel

## DOSAGE/ METHOD OF USE

- Dosage range of Metacrete PCT 300 should be 250-700 ml to 50 kg bag of cement. Optimum dosage should be determined by doing site trail mixes. Dosage may go above maximum limited for high performance concrete and shall be determined by site trail mix.
- The correct quality of Metacrete PCT 300 should be measured with recommended dispenser and should be added to the concrete with remaining 30% mixing water and allow to mix it for atleast 60 seconds.
- Metacrete PCT 300 should not be added in dry mixes under any circumstance.

## STORAGE

- Keep the liquid above freezing temperature.
- If the product has frozen, thaw it at room temperature (25°C) and until it completely reconstitute in the original form.
- Store under cover, protect from direct sunlight.
- Failure to comply with recommended storage condition might result in premature deterioration of the products and packaging.

## HANDLING PRECAUTION

Metacrete PCT 300 is a non-toxic and inflammable. When in contact with the skin, it should be washed with cold water.

# METACRETE PCT 350



Advanced low viscosity high performance Super plasticiser, based on Polycarboxylic technology

## ADVANTAGES

- Increased early and ultimate compressive strength.
- Water reduction over 35%.
- Better resistance to carbonation.
- Lower permeability.
- Better resistance to aggressive atmospheric conditions.
- Increased durability.

## TECHNICAL DATA

- Appearance : Light yellow coloured liquid
- Specific Gravity : 1.07 - 1.1 g/cc
- PH value : Min 6
- Chloride Content : Nil to IS:456
- Volumetric Mass @ 20°C: 1.09 kg/litre
- Alkali Content : Typically less than 1.5g Na<sub>2</sub>O equivalent/litre of admixture

## PRODUCT

Metacrete PCT 350 complies with IS:9103-1999 . It also complies with ASTM C494 Type F and G depending on the dosage used.

## DESCRIPTION

Metacrete PCT 350 is differentiated from conventional superplasticisers in that it is based on a unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process an electrostatic dispersion occurs but the cement particle's capacity to separate and disperse. This mechanism considerably reduces the water demand in flowable concrete.

Metacrete PCT 350 combines the properties of water reduction and workability retention. It allows the production and workability retention. It allows the production of high performance concrete and/or concrete with high workability.

## COMPATIBILITY

Can be used with all types of Portland cements like OPC, PPC and PSC except High Alumina Cements. Compatible with all PC based admixture.

## USES

Metacrete PCT 350 is a high performance super plasticiser intended for applications where increased early and ultimate compressive strengths are required, and it has been developed for use in:

- Self compacting concrete.
- Pumped concrete.
- Concrete requiring long workability retention.
- High performance Concrete.

## DOSAGE

The optimum dosage of Metacrete PCT 350 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.5 to 1.5 Percent of cementitious material.

## PACKAGING

Metacrete PCT 350 is available in 50, 100 & 200 Kg drums.

## STORAGE

Metacrete PCT 350 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then contact local KMR Conchem office for advice.



## PRECAUTIONS

### Health And Safety Instructions

Metacrete PCT 350 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come in contact with skin and eyes.

Suitable protective gloves and goggles should worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. Metacrete PCT 350 is water based and non-flammable.

## CLEANING AND DISPOSAL

Spillages of Metacrete PCT 350 Should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.



# METACURE WB

WAX BASED CONCRETE CURING COMPOUND



## ADVANTAGES

- Give water repellent film.
- Allows continuous and gradual curing without constant attention.
- Reduces surface temperature and crack formation.
- Prevents early water evaporation from concrete.
- No risk of poor curing.
- Eliminates use of water curing, hessian or sand.
- Non-toxic, Non-Flammable.
- Economical and easy to use.
- Reflects more ultraviolet rays.
- Facilities the production of uniform concrete of maximum strength and durability.

## PRODUCT

METACURE WB is wax based concrete curing compound for fresh concrete, screeds, floors, granolithic toppings and vertical surfaces.

## COMPOSITION

METACURE WB is a white liquid based on low viscosity wax emulsion and white pigments.

## PURPOSE

To protect concrete against excessive drying out by retaining the moisture and water in fresh concrete.  
To prevent permanent water loss from concrete.

## COVERAGE

METACURE WB has a coverage of 4 to 5.5m<sup>2</sup> /liter.

## PACKAGING

50, 100, 210 liters drums.

## DESCRIPTON

METACURE WB is a solution of special pigmented wax emulsion formulated for application to freshly-placed concrete. It dries to form impervious film on the surface. It ensures that the concrete keeps as moist as possible during the vital curing period.

Efficient curing is particularly important in exposed situations such as concrete roads and runways etc., where the surfaces are subject to the drying action of heat, direct sunlight or wind. Traditional curing methods using wet hessian, straw, sand or polythene sheeting are never completely efficient as it is not possible to exclude air entirely from the face of the concrete. These techniques waste time, labour and materials and in addition are difficult to apply to vertical surface.

METACURE WB curing compound membrane replaces these older methods, by virtue of its easy application, higher efficiency and saving in labour and material costs.

## WHERE TO USE

For efficient and positive curing of canal lining, roads, runways, external floors, bridges, column and beams, dams other types of concrete construction where water curing is difficult or unreliable.

## TECHNICAL DATA

Appearance : White Liquid

Specific Gravity : 0.95 to 1.0

Dry Film :Translucent

ApplicationTemperature : Min 5°C.

## METHOD OF USE

METACURE WB should be applied at the rate of 1 litre to 5.5m<sup>2</sup>of surface area, a single spray-applied coat is sufficient. For horizontal surfaces spray on METACURE WB as soon as any excess water has dried off. This is usually within 30 minutes of finishing vertical surface should be wetted with water after stripping the shuttering and just prior to the application of METACURE WB

## STORAGE LIFE

METACURE WB has a shell life of at least 12 months in unopened drums, project from of direct sunlight.

## HANDLING PRECAUTION

METACURE WB is water based non-hazardous, non-toxic. Avoid contact with skin and eyes.

# METACURE RB



## RESIN BASED CONCRETE CURING COMPOUND

### ADVANTAGES

- Highly efficient Curing
- Reduces supervision and labour cost.
- Curing efficiently more than 90%.
- Forms an elastic impervious film to retain maximum moisture cement during curing period.
- Allows gradual and continuous curing without constant attention.
- Simple one coat spray application.
- Reduces possibility of shrinkage, hairline cracking and crazing.
- Ready mixed and economical.

### PRODUCT

METACURE RB is highly effective curing compound for concrete.

### COMPOSITION

METACURE RB is aluminised coloured solution of selected resins.

### PURPOSE

To protect concrete against excessive drying out during curing. To achieve optimum strength and durability.

### PACKAGING

20, 50, 100, 210, ltrs HDPE Drums.

### EFFECTIVE CURING

METACURE RB allows continuous and gradual curing without constant attention thus reduced supervision and labour costs over conventional methods. It also facilitates the production of uniform concrete with increased resistance to abrasion.

### DESCRIPTION

METACURE RB is a solution of special resin, formulated for application to freshly-placed concrete. METACURE RB dries to form an elastic impervious film on the surface which ensures that the concrete remains as moist as possible during the vital curing period. The film gradually disintegrates on weathering.

Traditional curing methods using wet hessian, straw sand or polythene sheeting are never completely efficient as it is impossible to exclude air entirely from the face of the

concrete. These techniques waste time, labour and materials and in addition are difficult to apply to vertical surfaces. METACURE RB Curing Compound replaces these older methods by virtue of its ease of application, higher efficiency and saving labour and material costs.

### WHERE TO USE

For Efficient and positive curing of.

- Bridges, dams, airport, runways, reservoirs.
- Roads, external floors canal Linings.
- Retaining vast floorings and rendering highways.
- Roof decks and shell roofs.
- Pre stressed beams and piers.

### TECHNICAL DATA

Appearance : Liquid

Colour : Aluminised Silver

### METHOD OF USE

METACURE RB has been designed to spray application to the newly laid concrete. Once the surface water has disappeared a thin film of METACURE RB is then applied to the whole surface using a hand operated spray gun or brush.

### APPLICATION

Stir well before use. After application the area concerned must be protected from rain for at least 2-3 hours.

### STORAGE

METACURE RB has a storage life of minimum 12 months in unopened container in dry condition out of direct sunlight.

### HANDLING PRECAUTION

METACURE RB is inflammable and usual precautions against fire and prolonged breathing of solvent vapour should be avoided. Contact with the skin should be avoided.

### COVERAGE

METACURE RB has a coverage of 4 to 5.5 m<sup>2</sup>/liter.

# METACRETE PCT 300(A+)



## Chloride Free Accelerating, Water Reducing Admixture

### Product

Metacrete PCT 300(A+) is Chloride free Accelerating, Water reducing admixture complies with BS 5075 Part 1 and ASTM C494 Type C.

### Description

Metacrete PCT 300 (A+) is guaranteed completely free of all forms of chloride and is supplied as a light Brown colored liquid. The main active ingredient is an inorganic formate

### Uses

To accelerate the setting and early strength gain of Portland cement concrete and mortar mixes without the introduction of chloride. Acts as a plasticiser, so gives significant increases in both ultimate and early strengths. Typical applications include precast concrete, concrete placed in cold weather, concrete for repairs, mortars for brickwork.

### Advantages

- Chloride free, safe in prestressed and reinforced concrete
- Produces exceptionally high early strengths
- Plasticizing action gives increased workability and / or increased strengths
- Early setting improves frost resistance
- Suitable for bricklaying mortar mixes
- Particularly effective in concrete at low temperatures

### Technical Data

Appearance	: Light Brownish
Specific gravity	: 1.080 - 1.110 at 27 <sup>0</sup> C
Freezing point	: -16 <sup>0</sup> C
Chloride content	: Nil to BS 5075
Air entrainment	: Less than 1%

**Compatibility :** Can be used with all types of Portland cements. Not suitable for use with high alumina cement

**Acceleration :** The addition of Metacrete PCT 300 (A+) to Portland cement concrete mixes accelerates both the setting and rate of strength gain. The strength improvements are most significant during the first 18 hours.

**Long term effects :** Accelerated corrosion testing of steel in concrete has shown that Metacrete PCT 300 (A+) does not affect the protection of steel afforded by Cement against corrosion even at four times the normal dose level.

### Application instructions

**Dosage:** The recommended dosage range for standard Concrete and mortar mixes with all grades of Portland cement is between 0.5 to 1.5 percent of cementitious material

**Over dosage:** An overdose of double the recommended amount of Metacrete PCT 300(A+) will result in a slight increase in initial acceleration, but will not materially alter the ultimate strength or characteristics of the cured concrete or mortar.

**Mixing:** Metacrete PCT 300(A+) should be stirred before use. Metacrete PCT 300(A+) should be added direct into the mixer. Best results are obtained when added at the same time as the mixing water.

### Curing

Metacrete WB, curing membrane or alternative Methods such as polythene, water spray or wet hessian should be used.

# METACRETE PCT 300(A+)



## Packaging

Metacrete PCT 300(A+) is supplied in 10, 20 & 200 Kgs drums.

## Storage

Minimum shelf life of 12 months in unopened containers under normal warehouse conditions Provided the temperature should kept within the range of 2°C To 50°C. The temperature of the product fall out-Side this range then contact local KMR CONCHEM PVT. LTD. Office for advice.

## Precautions

### Health and Safety instructions

Metacrete PCT 300(A+) is nontoxic. Do not ingest. If ingested, give an emetic of common salt in water and seek immediate medical attention. Prolonged contact with skin should be avoided. Any splashes should be washed well with water. The use of rubber gloves and safety glasses is recommended. Any splashes on eyes should be flushed immediately with plenty of clean water and medical treatment sought

### Fire

Metacrete PCT 300(A+) is non flammable. But, should be stored away from combusitible materials.

## Additional information

Technical data and guidance can be provided on a wide rangeof admixtures and concreting aids including plasticisers, retarders, air entraining agents, waterproofers, mould release agents, surface retarders, workability aids and repair materials.

Separate data sheets are available on those products.

## Technical support

KMR CONCHEM PVT.LTD. provides a technical Advisory service for on-site assistance and advice On mix design, admixture selection , evaluation trials and dispensing equipment.

Typical effect of Metacrete PCT 300(A+) on strength gain (M-30 Grade of Concrete)

Curing Temperature	Dosage (1% of Cement)	Initial set (BS 5075) hrs.	Final set (BS 5075) hrs.	Compressive strength(N/mm <sup>2</sup> )					
				10hrs	18hrs	24hrs	3Days	7Days	28Days
50C	NIL	14	19	-	-	1.5	5.5	17	32
	1%	12	17	-	0.5	3.0	10	22	36
100C	NIL	4	06	-	-	2.5	08	20	35
	1%	3	4 ½	-	2.0	4.5	13	26	40
200C	NIL	3	4	1.0	4.5	6.0	17	29	43
	1%	2	3	3.5	9.0	11.0	26	38	48



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**ISO 9001:2015 CERTIFIED**  
**ISO 14001:2015 CERTIFIED**

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