

# IRIDIUM CHEMICAL

## PRODUCT CATALOGUE

High Quality  
Construction Chemicals

SUNFINE™



And Miles to before I sleep,  
and miles to go before I sleep.

Prateek Gupta  
Managing Director

#### Head Office:

801 Shweta Apartments 117/H-1/499, Pandu Nagar, Kanpur - 208 005, India  
+91-9415133506, +91-9984361590, +91-9839809030 Website :  
[www.sunlightconschem.com](http://www.sunlightconschem.com) • Email: [sales@sunlightho.com](mailto:sales@sunlightho.com)



# CERTIFICATE

This is to certify that the product listed below conforms to the requirements of the

**Directives Name** 89/106/EEC

**Certificate no.:** IN9641U-2023 **Date of Expiry:** 23 March 2026

**Date of Issue:** 24 March 2023 **Surv. Date :** 23 March 2024

**Manufacturer :** **SUNLIGHT CONSCHEM CORPORATION**

REGD.OFF:-8 TH FLOOR, 801, SHWETA APARTMENT,  
117/H-1/499 PANDU NAGAR, KANPUR, KANPUR NAGAR-208005  
(U.P.) INDIA

**Description of Products :** MANUFACTURING OF CONSTRUCTION CHEMICAL  
(ADMIXTURE, CURING COMPOUND) MICRO SILICA,  
WATER PROOFING, ANTI-STRIPPING

**Other Certification :** N/A

**Standards Applied :** as per industry required

**Report Reference:** SCC/CE/IN9641U-2023

This Report has been Issued by Certiva Limited according to the provision of the Directive 89/106/EEC. This Report is issued following the assessment of the documentation and implementation of the Quality System in accordance with the provisions of the quoted Conformity Assessment Module of the above directives. The CE Mark may be affixed to the press Directive 89/106/EEC. the Scope of approvals as described above once the 'EU declaration of conformity' has been signed by the responsible person.

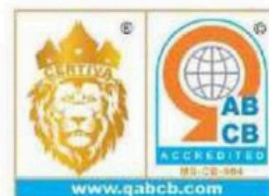


**Director**



**Certiva Limited**  
3rd Floor, 207 Regent Street London, W1B 3HH.  
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Company Number : 09799171

For precise and updated information concerning the present certificate visit at [www.certiva.co.uk](http://www.certiva.co.uk)



## Sunlight Conschem Corporation

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भारतीय मानक ब्यूरो  
(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय)  
**BUREAU OF INDIAN STANDARDS**  
Ministry of Consumer Affairs, Food & Public Distribution  
लखनऊ शाखा कार्यालय  
Lucknow Branch Office

### पंजीकृत पावती सूचना

हमारा संदर्भ एल/एम सी : - 9300171310

विषय एस आई : IS 16715:2018 के अनुरूप भा मा ब्यूरो प्रमाणन मुहर लाइसेंस संख्या सी एमएल/ - 9300171310 प्रदान करने के संबंध में। संदर्भ

Subject: Grant of BIS Product Certification Licence No. CM/L - 9300171310 as per IS 16715:2018

मैसर्स इरिडियम केमिकल

चक नं.-1422, 1374, 1375 एवं 1376, जेम ब्लॉक,

कटरी पिपरी खेड़ा, हड़हा,

उन्नाव, उत्तर प्रदेश-209801

महोदय,

आपके आवेदन के संदर्भ में हम यह सहर्ष सूचित करते हैं कि आपको अपने निम्न उत्पाद पर मानक मुहर का उपयोग करने के लिए लाइसेंस जारी करने का निर्णय लिया गया है:

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings :

उत्पाद : ULTRAFINE GROUND GRANULATED BLAST FURNACE SLAG - SPECIFICATION

आईएस : IS 16715:2018

टाइप/कैस/ग्रेड/वैरिटी

Type/Class/Grade/Variety

Ultrafine Ground Granulated Blast Furnace.

आपको यह लाइसेंस इस स्पष्ट शर्त पर दिया जा रहा है कि आप उक्त भारतीय मानक के अनुरूप खरा उतरने वाले समस्त उत्पादन पर मानक मुहर लगाएंगे। आप पूरे उत्पादन को मानक चिन्ह के साथ लाइसेंस के दायरे में कवर करेंगे और संबंधित भारतीय मानक के अनुरूप बनाए रखेंगे। इसके अलावा, आपको अपने परिसर में अपने पास मौजूद बीआईएस उत्पाद प्रमाणन लाइसेंस को प्रमुखता से प्रदर्शित करना होगा और अपने वाणिज्यिक विज्ञापन में अपने पास मौजूद बीआईएस उत्पाद प्रमाणन लाइसेंस का भी उल्लेख करना होगा।

The licence is granted on the explicit condition that you shall mark entire production under scope of licence with Standard Mark and maintain conformity to the relevant Indian Standards Accordingly, you shall cover the entire production under scope of licence with Standard Mark and maintain conformity to the relevant Indian Standard. In addition, you shall display the BIS product certification licence held by you prominently at your premises and also mention the BIS product certification licence held by you in your commercial advertisement.

चतुर्थ तल, बी-2 ब्लॉक, पिकप भवन, विभूति खण्ड, गोमती नगर, लखनऊ - 226010, दूरभाष : 0522-2306664, 0522-2728942  
4th Floor, B-2 Block, PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow - 226010, Tel : 0522-2306664, 0522-2728942  
Email Id : lkbo@bis.gov.in, Website : www.bis.gov.in

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Email: sales@sunlightho.com



ISO 14001:2015

*Certificate of Registration*

*This is to Certify That  
Environmental Management System of*

**SUNLIGHT CONSCHEM CORPORATION**

8TH FLOOR, 801, SHWETA APARTMENT, 117/H-1/499 PANDU NAGAR, KANPUR NAGAR-  
208005 (U.P.) INDIA

*has been assessed and found to conform to the requirements of*

**ISO 14001:2015**

*for the following scope :*

MANUFACTURER OF ADMIXTURE, CURING COMPOUND, ANTI STRIPPING  
AGENTS, WATER PROOFING, MICRO SILICA, SUNFINE & VARIOUS  
CONSTRUCTION CHEMICALS.

|                           |                    |                             |
|---------------------------|--------------------|-----------------------------|
| Certificate No            | : <b>24MEERS73</b> |                             |
| Initial Registration Date | : 15/04/2024       | Issuance Date : 15/04/2024  |
| Date of Expiry            | : 14/04/2027       |                             |
| 1st Surve. Due            | : 15/03/2025       | 2nd Surve. Due : 15/03/2026 |



*Demul...*  
**DIRECTOR**



**Magnitude Management Services Pvt. Ltd.**

Third Floor, A-60, Sector-2, Noida, Gautam Budh Nagar, U.P.-201301, India. e-mail: [info@mmscertification.com](mailto:info@mmscertification.com), website: [www.mmscertification.com](http://www.mmscertification.com)

\*Subject to Successful Surveillance Audit in case Surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn  
Certificate Verification: Please Re-check the validity of certificate at <http://www.mmscertification.com/activeclients.aspx> or [www.mmscertification.com](http://www.mmscertification.com) at Active Clients.  
Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned immediately when demanded.

**ISO 14001:2015 - Sunlight Conschem Corp.**

**Sunlight Conschem Corporation**

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## Certificate of Registration

This is to certify that

### M/S IRIDIUM CHEMICAL

8TH FLOOR, 801, SHWETA APATMENT, 117/H-1/499, PANDU NAGAR,  
KANPUR NAGAR, UTTAR PRADESH, 208005, 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:

**MANUFACTURER OF CURING COMPOUND, WATER PROOFING,  
MICRO SILICA, SUNFINE & VARIOUS CONSTRUCTION CHEMICALS**

Date of Certification: 23rd December 2023

1<sup>st</sup> Surveillance Audit Due: 22nd December 2024

2<sup>nd</sup> Surveillance Audit Due: 22nd December 2025

Certificate Expiry: 22nd December 2026

**Certificate Number: 305023122327Q**



*Chunant...*  
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, IInd 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)

## ISO 9001:2015 - Iridium Chemicals

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SUNFINE® is a low calcium silicate mineral based additive, ground to Micron level to achieve very high level of reactivity. Fineness and high reactivity ensures enhanced hydration process, which in turn greatly enhance the strength and durability of concrete mix by lowering the permeability. Addition of SUNFINE® improves the particle packing of paste components, which ultimately leads to concrete with higher strength and improved durability. SUNFINE® lowers the water demand, admixture dosage and hence improving strength and durability parameters of concrete at all ages.

## FIELDS OF APPLICATION

- ✓ RCC residential, commercial structures
- ✓ High rise structures with challenging situations to pump the concrete with ease
- ✓ Temperature controlled mass concrete for raft and pile foundations.
- ✓ Aluminum/tunnel form work with high flow or self-compacting concrete
- ✓ High performance concrete with extremely low water to binder ratio
- ✓ Shotcrete with improved cohesion and faster initial strength gain
- ✓ Precast concrete elements for tunnels, bridge, segmental construction, blocks, hollow core slabs etc.
- ✓ Post tension/prestressed concrete slab
- ✓ Construction grouts, plasters, repair mortars
- ✓ LEED/GREEN compliant structures

## TYPICAL PROPERTIES

| S No | Description         | Unit    | IS 16715: 2018 | Sunfine |
|------|---------------------|---------|----------------|---------|
| 1    | Fineness            | m/Kg    | 1500           | 2700    |
| 2    | Particle Size Range |         |                |         |
|      | (a) D50             | µm      | 5 Max          | 3.85    |
|      | (b) D95             | µm      | 15 Max         | 8.79    |
| 3    | Slag Activity Index | 7 Days  | 87%            | 80%     |
|      |                     | 28 Days | 100%           | 110%    |
| 4    | Specific Gravity    | g/cm³   | -              | 2.85    |
| 5    | Bulk density        | kg/m³   | -              | 1050    |

## DOSAGE

Measured quantity of SUNFINE shall be added in the concrete mix along with cement and other pozzolanic powder materials. Mixing time shall be adequate to facilitate the uniform inter dispersion of all powder materials in the concrete. Dosage: 4% to 8% by weight of total binder content as per the grade of concrete. For special purpose concretes, dosage beyond the above stated range can be used to achieve desired performance.

## PACKING

20 Kg PP Bags/ 1000 Kg Bulk Bags.


## ADVANTAGES

- ✓ Improves durability parameters of concrete by refined pore structure, reduces permeability
- ✓ Improves the resistance of concrete to aggressive environment conditions
- ✓ Maintains the pH of the concrete to protect steel reinforcement
- ✓ Improves pump ability of concrete
- ✓ Enhanced slump and extended slump retention without increasing the dosage of expensive chemical admixtures
- ✓ Faster removal of shuttering, quick rotation of forms in precast industry
- ✓ Enhanced rate of strength gain in concrete mixes with high pozzolanic material contents like fly ash, GGBS, etc.

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Iridium Chemical  
is one of the leading manufacturer and  
supplier of Dispersing Agent &  
Construction Chemicals. It is an ISO  
14001:2015 company. It has state-of-the-  
art R&D Lab where highly qualified  
personals continually strive to enhance the  
quality of products which then come to  
market after extensive field trials. Sunlight  
Corporation continually endeavors to  
enhance the customer experience by  
achieving Excellency in Quality, Timely  
Delivery and Competitive Price its  
Products.

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