



CCMA: Promoting Awareness For Correct Usage Of Construction Chemicals

Construction chemicals positively contribute to the high quality and durability of any construction. The construction chemicals industry in India is currently at a nascent stage but is growing fast. The industry size is estimated at Rs. 1,800 crores and has the potential to grow to Rs. 5,000 crores by 2014. The growth in the construction industry, combined with faster and safer construction, will propel the growth for the construction chemicals industry.

In India the industry currently represents a combination of organized and unorganized sector. For the first time, the leading manufacturers have come together to form an association - The Construction Chemicals Manufacturers Association (CCMA). The key objective of CCMA will be to promote the growth of the construction chemicals industry by raising the awareness and quality standards as well act as a representative body for communicating with government, chambers of commerce, regulatory authorities and other forums, be it domestic or international.

CCMA's Aims And Objectives will be to:

- Provide a forum for Construction Chemicals Manufacturers in

India and promote the interest of its members in relation to commerce and industry in India. In particular, identify and discuss common problems facing the construction chemicals industry to arrive at solutions, including exchange of information amongst its members.

- Educate members on provisions of various central and state enactments and their amendments through seminars, meetings, exhibitions, etc.
- Promote and accelerate the growth of the Construction Chemicals Industry in India by collecting and disseminating statistical and technical information and creating awareness to maintain high standards among users.
- Be a constructive forum to communicate with Governmental Bodies/Associations, Chambers of Commerce and other commercial, industrial and public bodies within or outside India to promote the objectives of the Association.
- To establish just and equitable standards and principles in construction chemicals manufacture, trade and commerce and



to regulate the conduct and practice of construction chemicals trade and manufacture.

- Stand out as a body to continuously impart awareness amongst construction chemicals manufacturers to maintain high standards and business ethics for the benefit of end users. Achieve this through continuous education in the field of construction chemicals by means of training and upgrading the skills of personnel by organizing workshops, conferences, lectures, seminars, disseminating information through periodicals or journals, books, institution of scholarships, fellowships, awards, and encouraging research studies.



- To subscribe to become a member of or otherwise affiliate or cooperate with any other body in India or elsewhere with which the association has common interest to establish, cooperate with, or receive into the Association or otherwise assist any Association or accept affiliation of any other Association having objects similar to those of the Association.
- To do all such acts, deeds and things as may be necessary and conducive to the manufacture, and development of trade and commerce in relation to or incidental to the construction chemicals industry, in the promotion or attainment, or in the overall interest of the objectives of the Association.

CCMA is committed to provide to its members a platform for commercial as well as Technical enhancement. In a very short span of time, BIS has agreed that CCMA will be on IS code committees to take view point of CCMA members in formulation of codes. As a nodal agency a few committees are formed to represent grievances to Government.

Technically, CCMA conducted presentations which were very helpful to the members. It tried to bring major raw material manufacturers on the forums so that all are benefitted by the industry network.

Technical seminars by following National and International speakers were well attended by CCMA members.

- Ready Mix Concrete Industry - Mr. Anuj Maheshwari, Ultratech
- Green Building Concepts and Certifications - Mr. Saify Attarwalla
- Flooring Materials - Mr. Deepnarayan Bhattacharya
- Carbon Footprint and CCMA Role - Prof. Dr. R. K. Dhir, OBE, U. K.
- Experience with Admixtures - Mr. Willie Kay, Singapore

CCMA has announced an International seminar - First of its type on Right usage of Construction Chemical - in February 2012. All Construction Chemicals manufacturing companies are requested to join this initiative in mutual benefits.

CCMA Managing Committee

Mr. Samir Surlaker, President

Mr. A. J. Charles, Joint Secretary

Mr. Subu Venkatraman, Vice - President

Mr. B. L. Maheshwari, General Secretary

Mr. Dilip Sanghavi, Treasurer

Mr. Open Patel, Committee Member

Mr. G. Manari, Committee Member

Mr. Francois Nguyen, Committee Member

Mr. Samir Surlekar, Chairman, CCMA

On The Objectives Of The Apex Body

As per FICCI, the market size of Construction Chemicals Industry is between Rs 1700- 1800 crores and it has potential to grow to Rs. 5000 crores if the industry promotes itself professionally and increases the level of awareness of construction industry. The Construction industry should be convinced that usage of Construction chemicals is a benefit and not undue cost. To this effect we have formed an apex body called Construction Chemicals Manufacturers Associations with main aim of increasing awareness as well as to increase the Quality standards of Construction Chemicals.

The key objective of CCMA will be to promote the growth of the Construction Chemicals industry, by raising awareness and quality standards and to be a representative body for communicating with government, chambers of commerce regulatory bodies and other forums, local and international. FICCI presented two National Seminars on construction chemicals. Now CCMA is planning on all India seminar to promote this course.

The consultants, designers, architects and builders are receiving knowledge mostly through marketing personnel and marketing literature and product presentation. These opinions are biased, and focused only to improve the sales.

The construction chemicals have to form a part of Engineering colleges syllabus as students are future of the industry. Construction chemicals are to be added to courses which focus on other building materials. More students should be motivated to pursue this line for postgraduate and Doctoral level. Like in medical field universities should invite Technical and Practical experts to deliver lectures in this field.

Also the awareness has to be brought in Government organizations stressing the need of construction chemicals to enhance the durability of structure as well as the role of construction chemicals in Green building concept to protect our environment. Recognition of CCMA by other associations in the construction fraternity can increase awareness manifold.



The Construction Chemicals industry has grown up steadily in the last decade due to relatively improved awareness as well as entry of several companies into India. The construction chemical industry has come up of age in our country. Injection technologies of modern

era can stop leakages in dams or water retaining structures and can save valuable water resources. Modern day constructions cannot evolve without construction chemicals Overall in the organized sector the quality of construction chemicals is quite at par with international counterparts. All system like QA/QC, ISO 9000 etc are in place. The entry of multinationals in this field with direct access to international technology has raised the bar of quality. This is to be met by local manufactures.

The most important improvement I would like to see for this industry is standardization of construction chemicals. The standardization is a must for end users to compare between different products. Secondly most of our specifications are prescriptive. i.e. we mention the formulation ingredients. We have to change specification to performance based as to effect produced to Durability Enhancement. The formulation and generic basis can be mentioned for uniformity and equivalence testing which is more to control the quality and uniformity. More BIS codes should be formed or in meantime reference can be made to international codes like EN and guidelines by several Associations and Institution. There is standardization all over world and with open information gateway we can be at par to state-of-art in this field. Standardization is the need of the hour.

On Growth Of Construction Chemicals Industry

For the past five years the growth rate for the industry is between 20-25%. The projected growth rate for this sector could be CAGR of over 20% by 2014. The growth was affected due to the recessionary slump but now the trend is positive. Protection of concrete from environmental pollution is a new potential sector which has opened its doors for usage of chemicals.

A Brief Profile of Mr.Samir Surlaker

Mr.Samir Surlaker is a Civil and Structural Engineer from VJTI, Mumbai having over 30 years of National and International experience and exposure in Construction Chemicals, Rehabilitation Strategies, Injection Systems etc in Europe, Middle East and India. He is currently the Managing Director of MC-Bauchemie (India) Pvt Ltd, a joint venture with MC-Bauchemie, Germany; manufacturing over 100 construction chemicals.

He studied and compared ASTM, BS and DIN Standard for Concrete Testing Procedures in 1978-79 to establish an equivalence. Mr. Surlaker was actively involved in advanced research in R & D lab for testing compatibility of admixtures with various cements, inter admixture compatibility testing for other cementitious materials like Fly Ash, GGBSF, Micro Silica etc. He is a member of several technical and organizing committees conducting seminars and symposiums in topics related to advance developments in Civil, Structural Engineering and Concrete Technology.

He is Fellow of The Concrete Society (UK), Institution of Engineers, Indian Institute of Valuers, Indian Concrete Institute Indian Institute of Bridge Engineers, Indian Water Works Association, Indian Geotechnical Society, etc. He is associated with several

Professional Bodies and is member of American Concrete Institute American Society of Civil Engineering, Indian Road Congress, Indian Construction Association, Architectural Engineering Institute, International Society for Soil Mechanics and Geotechnical Engineering, Deep Foundation Institute (USA), The Society for Protective Coatings (USA).

He has delivered lectures on Building Chemicals, Repair and Rehabilitation, Concrete Admixtures, Industrial Floorings at Seminars held by Institute of Engineers, Indian Chapter of American Concrete Institute, Indian Concrete Institute etc and participated in training programs arranged by ACC, Gujarat Ambuja, CEPT Ahmedabad, MES, ISRO Kerala, IRICEN and several Engineering & Architectural Colleges. His technical papers and Articles in the field of Rehabilitations, Protection and High Performance and Self Compacting Concretes are published in several national and international Engineering Journals.

He is a member of the Bureau of Indian Standards in CED 41 committee for Waterproofing and heads few sub committees for formulations of IS Codes for advanced techniques and materials in Waterproofing and Concrete Protection. He was member of state of art committee of ICI for admixtures.



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