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South East Asia Drymix Mortar Association SEADMA
Protocol & Decisions
1st Technical Committee Meeting
on 16. June 2006, Setsco Singapore, 09:00

Attendance: Bacon M, Carpenter M (temporarily), Chong C F, Leopolder F, Dr. Liang Z, Lim C, Lim C H, Lu J P, Dr. Ma M, Muylaert J, Dr. Oberste-Padtberg R, Tan D, Tan K S, Tan S K, Tan S T, Tay C, Tham K H, Wong V, Wong W C,

see also: slides from blackboard attached: SEADMA_tc_060616.pdf: data is being made available on http://www.SEADMA.org/technical_committee.html: please also check the MEDMA presentation made available on the SEADMA website, there are some interesting parallels.

Presentation Leopolder had been distributed as hardcopies, it is available as .pdf file upon request

1. Decisionmaking:

The following future decisionmaking process between meetings has been accepted: FL (or others) formulates proposal, FL circulates it within the TC by e-mail, if no objection is being raised and no alterations are being proposed within 3 weeks, the proposal is accepted and being published by FL. In case changes are being fed back to Leopolder, Leopolder summarizes the changes and circulates the proposal again.

2. Memberships of Consultants, Government Officials:

Decision: we are open, but do not actively pursue such memberships, since they belong to our target groups for specification marketing (see slides).

Invited Memberships: General Rule: Persons and representatives from institutions which SEADMA wants to be part of our activity are invited into SEADMA as honorary members. Please propose individuals and institutions to FL.

3. Laboratories, Certifications:

Labs and certifications bodies play a vital role when it comes to pushing our industry specification. The situation right now concerning lab support for our industry specification is satisfactory only in Singapore (two well experienced

labs), throughout the region, the lab situation remains to be analyzed.

4. Standardisation Issues (SEADMA TP-01 and TP-02)

(see slides, discussions before and after lunch) The members of the TC reported on the standards situation, especially on how and by whom those standards are being used (and to which degree). A deep discussion on our consensus on how we perceive quality mortars followed. We have to sensitize developers, HDB and consultants to the follow-up costs, if bad materials and workmanship is being accepted. SEADMA will soon have to approach the standards organisations and government bodies in the most important economies in SEA (Thailand, Singapore, Indonesia, Malaysia, Vietnam, planned trip Nov 06). Also, we have to respect the common practice, which means, that depending upon the origin of the consultants or local developments (e.g. HDB spec on Skim Coats), various national standards are being used and will also have to coexist in the future. However, there are some testing methods and specifications unsuitable for the testing of drymix applications, which we have to identify and point out to the specifiers.

Presentations given by Dr. Oberste-Padtberg (CTA DIN/EN 12204), Muylaert, Dr. Liang, S Tim Tan/C Tay available upon request from FL

Standards observed by TC members: HDB Specs, TCA/ANSI/ASTM, BS, EN/DIN, CSTB, ISI (?), JS. When comparing those standards, there are considerable differences in

- a) the performance criteria
- b) the performance values (especially: total amount of polymer spec of HDB!)
- c) the sample preparation (especially climate conditions)
- d) the testing methods

In Singapore, there is a deep split between government controlled and specified construction (HDB, about a third of housing unit construction approx 5.000 units/a) and private construction (9 to 10.000 units/a), where specifications depend upon the provenance of the consultants and architects. However, HDB specs are also being used in some private projects (mainly commercial construction).

In the entire region, drymix mortar manufacturers feel compelled to provide applicator training. There was an idea about a Code of Practice in the nineties, but since then, workmanship and product quality have been deteriorating due to the enormous pressure on prices. Training faces several serious problems because a) many fly-by-night construction companies with limited interest in long-term obligations b) the actual applications are mostly carried out by work migrants with limited time to stay and virtually no previous construction experience and c) warranties on workmanship hardly exist. Training of

SEADMA and its members makes therefore only sense for the management level of the companies or their supervisors and foremen (only for those companies which are there to stay!).

As a general guideline, the TC of SEADMA is of the opinion, that we have to first establish credibility (e.g. by imposing an industry specification upon our members?) and then give advice on standardisation. Industry specifications can help in this process, maybe even in combination with a SEADMA Seal of Compliance (quality certificate issued by SEADMA). It has to be said, that multi-national drymix mortar manufacturers already market certain standards (e.g. Weber in Thailand, Mapei in Vietnam). When working up specifications and standards, we should amend existing standardisation systems rather than re-invent a new set of standards (exception: skim coats, see SEADMA TP-02).

Decision: Project TP-01: project and project organisation as proposed by Leopolder has been accepted. TP-02: until October, we have to work on an industry specification for Skim Coats, including a code of practice as a formal recommendation of SEADMA to consultants (architects), developers and governments. As a general direction, TC decides to use EN 12004 as a basis and make the necessary amendments (see slides). Project Organisation: Veronica Wong, Ferdinand Leopolder. A draft will be presented and discussed in our opening conference

5. Guest Lecture by Lu Jin Ping /CPG on Shotcrete Drymix Mortar

Slides available upon request, thanks for the lecture, Mr. Lu!

6. Lunch provided by SETSCO, thank you Mr. Wong

7. Lab Tour by Mr. Wong/SETSCO, thanks a lot!

8. Opening Conference on (on 17 October 2006?)

a) SEADMA will show presentations about SEADMA TP-01 and SEADMA TP-02 in the programme of the opening conference; Schröter, Deutsche Bauchemie will participate with a lecture on international standardisation and its effects on product quality and recognition. Dr. Oberste Padtberg will report on testing of CTAs at realistic climate conditions (higher temperatures, higher humidities for both sample preparation and storage conditions)

b) other lectures: please propose by end-July 2006, the Board of SEADMA has decided, that we will mix invited lectures with sponsored lectures, also, members can display brochures and post logos during the conference. Cost: see below, a list of costs will be available soon on our website or from FL.

c) Lectures: proposals for technical lectures are being encouraged until end-July; conditions tbd.

d) Cost of Event (approx. 6.000 Euro): The conference should be covered by

contributions of the Industry, a nominal fee for the attendance will be charged. Leopolder will approach possible additional Industry Sponsors as well as Deutsche Bauchemie e.V., the remaining balance has to be covered by our members.

SEADMA Opening Conference, Schedule of Costs

Cover Charge	40 Sing\$ per Person, advance reg.
Brochures for Conference Folder	400 Sing\$ per 100
Display Stand in Foyer	1.600 Sing\$ max 2 x 1 m
Sponsored Lecture	2.000 Sing\$ per letcture

Other sponsoring activities are possible and encouraged, examples: Conference bag, presents to participants with logo, coffee or dinner sponsoring, print sponsoring for handouts and invitations, advertising sponsorship. Proposals to Leopolder, please.

Munich, 29. June 2006, Ferdinand Leopolder