

Slides from Blackboard

MEDMA Technical Committee Meeting at Wacker-Offices, Jebel Ali 30.01.2006

Munich, Januar 2006, Ferdinand Leopolder
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WACKER

LAFARGE
ALUMINATES

Henkel

REDA

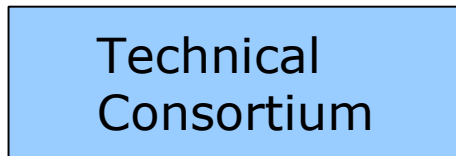
wolff cellulose

RAUTE PRECISION

The standardization process for drymix mortars:

Who Contributes?

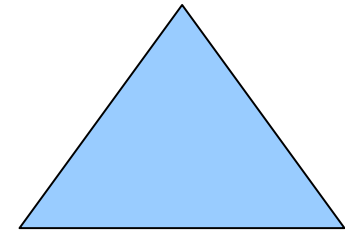
Raw Material Suppliers
Mortar Manufacturers
Institutes/Universities



Sell
standards

Who has to be Convinced?
(Target Groups)

Owners,
Developers,
Consultants,
Applicators

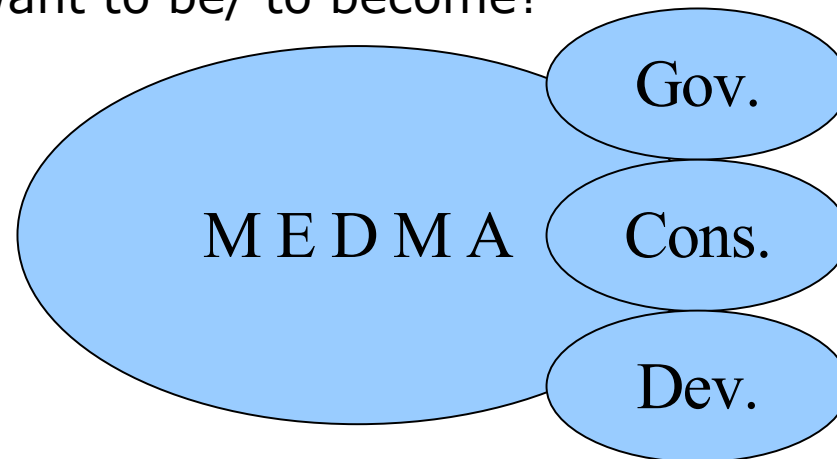


Who do we invite into MEDMA?

Municipalities as Members?
Consultants?
Applicators?
Developpers?

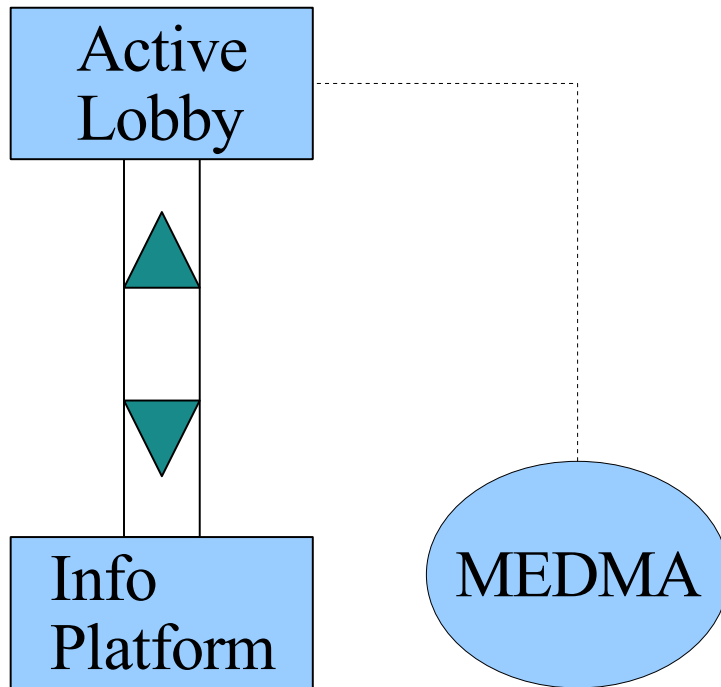
=Target Groups which benefit from Standards

How **B I G** do we want to be/ to become?




Decision: do not pursue these groups actively, but remain open to them; invite individual as honorary members

Characteristic Functions of MEDMA



Main Tasks of MEDMA

- create problem awareness
 - provide informations
 - simplify situation
 - help in finding solutions
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Problem Areas:

Testing Costs, no suitable neutral Labs available

Consensus: MEDMA is currently more info platform, should move towards becoming an active lobby for the industry

American System of Standardisation for CTA (Sujit Singh, Laticrete RAK)

Procedures:

Specified by
Tile Council of America
TCA

for 1 K appl.

For 2 K appl.

Materials:

Specified by
ANSI

A118. 1
A118. 3
A118. 4
A118. 6 (Grouts)
A118. 7
A118. 9 (mod. Epoxies)
A118.10

Testing Methods:

Specified by
ASTM

shear strength
compr. strength
flex. Adh. strength

ANSI standards are included in many job specifications in the UAE, depending upon engineers' and consultants' liking. BS and AUS standards can also be found in specifications in the area.

Note Leopolder: in Saudi Arabia, ANSI use is quite widespread.

European System of Standardisation for Tile Adhesives (Hans-Peter Sattler, Henkel, Summary by FL)

EN 12004:2001 and Amendment A1:2002 = binding Standard in EU. It has been developed mainly from DIN 18156-x. It regulates CTA applied to walls and floors, inside and outside.

There are three basic binder distinctions (C = cementitious; D= dispersion and R= reactive resins) and several classification combinations possible

For Cementitious TA

bonding strengths

(specified dry, warm, under water, freeze thaw storages)

open time (> 0,5 N/mm²)

Class C1

> 0,5 N/mm²

20 min

Class C2

> 1 N/mm²

30 min

Certain reproducibility issues exist when testing, main source of variation: setting of the specimen tiles. Certification Approval of CTA is being done by certified external laboratories; approval process is varying from country to country, since many national regulations co-exist (example Sweden: up to 40.000 Euro/product).

Should a recommendation for MEDMA be made using EN 12004, an adjustment of the heat storage condition as well as the climate conditions under which the samples are being prepared (norm climate, currently 23°C, 50% rel. Hum.) as well as the elimination of freeze/thaw circle seems to be in order

* Note Leopolder: Mr. Sattler's presentation is available upon request



Consensus Discussion, slide 1 initiated by J. Baumgartner

Distinguish between Rubbish and Quality

VISION: Grow the markets for quality drymix mortars

TASK: promote drymix mortar technology, create awareness of the advantages of performance drymix mortars

- GOALS:**
1. differentiate quality mortars from „Garage Produced“ ones
 2. become the only voice of the industry
 3. speed up the quality improvement process
 4. gain efficiency by pooling member's resources and ideas

Consensus Discussion, slide 2 initiated by J. Baumgartner

Distinguish between Rubbish and Quality

The Industry's Responsibility ranges from



Quality is defined as performance specification according to DIN/EN 12004 (12002) or ANSI 118.x adapted to the prevailing local climate conditions and work environments

MEDMA will work towards adapting a set of standards (either ANSI or DIN/EN and integrate national appendices.

We need to set up a timeframe for this work, as well as establish expert contacts and a lot financial resources to this project.

Proposal: use test markets KSA and UAE



MEDMA TP-01: Standards Situation in Region

Project Leader: Dr. Afridi

Decisions of the Technical Commission:

1. reduce Area to KSA, GCC and Pakistan
2. Project description accepted as submitted, Leopolder will work on the project scope until end-June
3. Ressources: Singh for GCC; Leopolder for KSA; Afridi for Pakistan
4. Project timeline:
questionnaire, scope: by end-june
response: by end-july
creation of paper: by end-sep
presentation of paper: on 30.10.06 (by whom?)

MEDMA TP-02: Standard for CTA

Project Leader: tbd

Decisions of the Technical Commission:

1. Leopolder to draft proposal: „MEDMA-Recommended Systematic of an Industry Specification (self-imposed) for Tile Adhesives“
 2. Project description to be accepted by TC eventually project postponed until after 30.10.06
 3. Ressources: tbd
 4. Project timeline: postponed, part of draft proposal
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Conference in Dubai in October:

please propose lectures until end-July
conference budget and sponsoring cost to be discussed in Board of MEDMA