

World Ceramic Tiles Forum

20th meeting, Rio de Janeiro

Update on ISO/TC 189/WGs 1, 2, 3, 5, and 8



ISO/TC 189/WG 1 (Product Test Methods)

- I. Responsible for the revision, maintenance and development of new ISO 10545 series standards: Ceramic tiles – Parts 1 through 16 on various strength and performance test methods



Current ISO/TC 189 WG1 Activities

- Currently out for CD ballot: Updates to ISO 10545-13 (Chemical Resistance) and ISO 10545-14 (Stain Resistance)
- Ongoing discussion around proposals/potential revisions:
 - ISO 10545-7 (Surface Abrasion): Continued discussion of research in Spain and North America
 - ISO 10545-12 (Frost Resistance): Chinese proposal to increase rigorousness of test method
 - ISO 10545-16 (Small Color Differences): Revision to specify spectrophotometric devices and discussion around a separate method for Light Reflectance Value (LRV)
- Other issues being discussed
 - Possible test methods for tiles used in mechanically fixed facades
 - How to test lightweight tiles (Chinese discussion of tiles made from polishing waste)
 - Possible development of test methods for the measurement of radionuclides
 - Revision to 10545-5 to more meaningfully characterize impact resistance

ISO/TC 189/WG 2 (Product Specifications)

- I. Responsible for the revision and maintenance of ISO 13006: Ceramic tiles – Definitions, classification, characteristics and marking



ISO 13006 Revisions currently being considered

- I. Criteria for rectified tile
 - I. Tighter tolerances for dimensional variation
 - II. More stringent planarity requirements

- II. Breaking strength and MOR criteria
 - I. Should individual minimums be established?
 - II. How does the discussion around thin tile criteria in WG4 impact current 13006 strength criteria for “regular” tiles?

- III. Other revisions to be taken into consideration based on the submission and approval of additional New Work Proposals (NWPs)

ISO/TC 189/WG 3 (Products for Installation)

- I. Responsible for the development, revision and maintenance of ISO 13007 series standards (grouts, adhesives, and membranes)



Ongoing WG3 Projects

- I. ISO DIS 13007-5 Liquid applied waterproof membranes
 - I. Committee Draft (CD) ballot recently approved
 - II. WG to discuss further revision and/or advance to Draft International Standard (DIS)

- II. ISO NP 13007-6 Sheet applied waterproof membranes
 - I. Round robin testing and discussion of data to develop a Committee Draft (CD)
 - II. More correspondence prior to further advancement

ISO/TC 189/WG 5 (Backer Boards)

- I. Responsible for the development of ISO DIS 16575: Ceramic tiles – Backer boards – Part 1: Terms, definitions, test methods and specifications for mesh reinforced cement backer boards

- II. Also responsible for developing standards for other types of backer boards
 - I. WG5 currently awaiting proposals and preliminary drafts from North American manufacturers



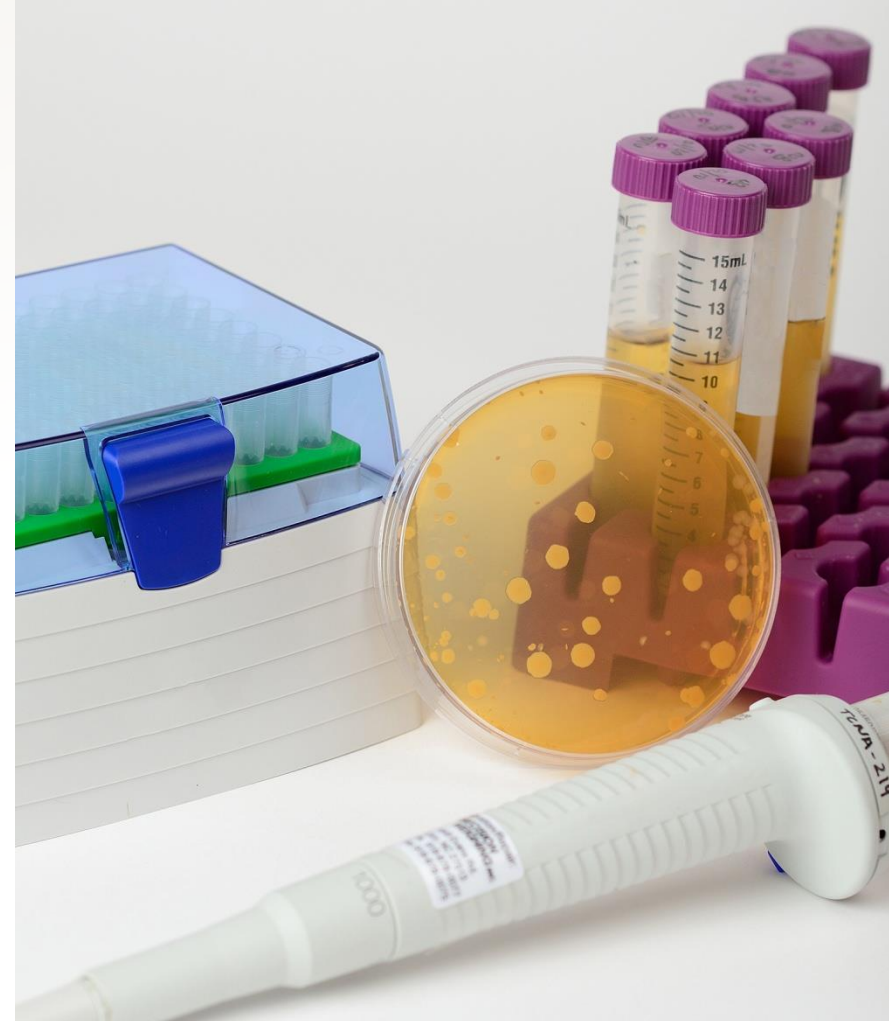
Current Status of Cement Backer Board Draft

- I. Committee Draft (CD) recently approved and advanced to the next stage

- II. Prior to initiating Draft International Standard (DIS) ballot:
 - I. Additional revisions likely to be made based on comments submitted during CD ballot
 - II. US delegation members working towards consensus
 - III. Updated document to be distributed to WG 5 once ready

ISO/TC 189/WG 8 (Antimicrobial Properties of Ceramic Tile Surfaces)

- I. Responsible for the development of ISO standards to assess antibacterial activity of ceramic tile surfaces.



Current WG8 Activity

- I. Development of two standards
 - I. Evaluation of Antibacterial Activity of Ceramic Surfaces with Incorporated Antibacterial agents
 - II. Evaluation of Antibacterial Activity of Ceramic Surfaces with Incorporated Photocatalytic Antibacterial agents
 - I. Proposal to include indoor lighting (in addition to UV light) as a testing condition
- II. First drafts ready to be circulated among members for comments

ISO/TC 189 Next Meeting

- Clemson, SC, United States
- July 9th – 11th, 2014
 - Conveners meeting and opening reception on the 8th
- Tours of TCNA headquarters and the Clemson University Advanced Materials Research Laboratory

