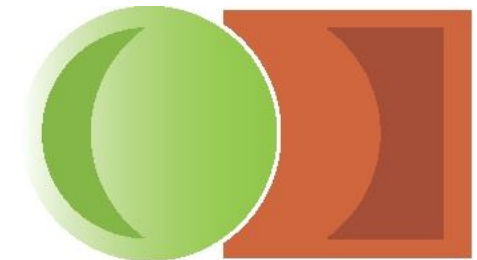


Updating on ISO WGs 1 & 4

Luciano Galassini

Confindustria Ceramica

World Ceramic Tiles Forum – 19th meeting – Sevastopol



World Ceramic Tiles Forum



ISO/TC189 WG1 -Test methods for ceramic tiles

Test methods under revision are:

- 10545-2 “dimensions and surface quality”: the comments received are under evaluation.
- 10545-7 “resistance to surface abrasion for glazed tiles”: it is under systematic review to elaborate a unified test suitable for GL and UGL tiles.
- 10545-9 “resistance to thermal shock”: submitted for vote.
- 10545-12 “frost resistance”: changes to temperature range, number of cycles and size of samples are under evaluation.



ISO/TC189 WG1 - Test methods for ceramic tiles

Test methods under revision are:

- 10545-13 “chemical resistance”: the committee draft with editorial changes agreed at the meeting in London, nov. 2011, submitted for vote.
- 10545-14 “resistance to stain”: the committee draft with editorial changes agreed at the meeting in London, nov. 2011, submitted for vote.
- 10545-16 “small colour differences”: under evaluation the possibility to include the light reflectance value measurement.



New Work Items in WG1:

Hard body impact, soft body impact and pull-out resistance for large format tiles (larger than 60x60 and class Bla and Ala) to be used in mechanically fixed ventilated facades: investigation on suitable test methods.

The issue of a test method for slipperiness is still pending.



ISO TC189 – WG4 Thin ceramics products

Why a new standard?

Consistent differences in thickness (thinner) and format (larger) mean a different mechanical behaviour in comparison with traditional ceramic tiles.

Some ISO 10545 test methods are not suitable for this kind of products:

- dimension and surface quality
- coefficient of restitution
- breaking strength and modulus of rupture

A new standard for a more reliable classification of thinner and/or larger ceramic product is under development.



ISO/TC 189 WG4 - Thin ceramics products

Definitions:

The TC agreed that this standard will cover product with a maximum nominal thickness of 5.5mm.

“Thin tile”: size \leq 60x60cm.

“Panel” or “sheet”: size $>$ 60x60cm.

Characteristics and test methods:

The test method for surface flatness is nearly to be finalized and will be circulated in due time for the next ISO meeting. The other test methods have already been finalized.



ISO/TC189 WG4 - Thin ceramics products

Annexes:

The annex for the installation has been circulated at the last meeting held in London, nov. 2011

A new draft will be circulated soon for discussion.