

World Ceramic Tiles Forum –
Overview of the work in
ISO/TC 59/SC 17/WG 3 on Product
Category Rules (PCRs)



What is ISO/TC 59/SC 17/WG 3?

- Committee TC 59: Buildings and Civil Engineering Works
- Subcommittee SC 17: Sustainability in Buildings and Civil Engineering Works
- Working Group WG 3: Environmental Declaration of Products
- Tile Industry Representation:
 - Bill Griese (USA)
 - Andrea Contri (Italy)
 - Fernando Lozano Assad (Mexico)

TC 59/SC 17/WG 3: Ongoing Project

- Substantial Revision of ISO 21930
- ISO 21930 complements ISO 14025
 - 14025: Overarching standard for EPDs
 - 21930: Expands upon 14025 EPD criteria to focus on building products
- Current title of 21930
 - Environmental Declaration of Building Products
- Proposed revised title
 - Core Rules for Environmental Declaration of Construction Products and Services Used in Any Type of Construction Works

Proposed revision to 21930

- What will be the biggest difference?
 - Currently, 21930 provides framework and basic requirements for EPDs and PCRs for building products
 - Proposed revision transforms 21930 into a “Core PCR” to be used when developing product sub-category PCRs for building products

What does this mean?

- ISO 21930 as currently written is typically referenced as standard when product PCRs are developed.
- The proposed revision completely transforms ISO 21930 into a “core PCR”, which would mean:
 - Would not be a PCR itself, but very close
 - Would be baseline “template” for a PCR for building products
 - Would contain core text common to all building product PCRs
 - “Template” could be adopted by a Program Operator, virtually as-is with minor modifications or with more in-depth modifications, and transformed into an actual PCR for a product subcategory

Key Provisions of Updated 21930

- Minimum applicability to all construction products with improved guidance on development of product subcategory PCRs
- Improved definition of system boundaries
- Improved modularity
- “Module D” for providing supplementary environmental information which may not be part of conventional LCA
- Provisions for PCRs to specify parameters of average EPDs for product groups
- Updates to data requirements and quality
- Mandatory and non-mandatory impact indicators and inventory parameters

Significant new provision benefiting tile

- New normative annex on reference service life (RSL)
- Requirement to integrate RSL into calculated number of product replacements, based on building service life
- Insertion of “calculation of replacements” and resulting environmental impact into use stage module

What's next?



- Most EPDs today:
 - Meet ISO 14025 and ISO 21930
- In the future, EPDs will need to:
 - Meet ISO 14025 and have a PCR with framework of ISO 21930 core PCR
- It is important that . . .
 - ISO 21930 core PCR provisions are not impossible for tile
 - Existing PCRs for tile can be easily modified to resemble updated 21930 core PCR
 - Core PCR maintains thorough provisions for RSL and calculation of replacements