

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

European BIM standards: What are the main standardization issues towards the RMC industry?

ERMCO WEBINAR "READY MIXED CONCRETE & BIM"

ERMCO participation into CEN/TC442 structures

| Secret | Type | WG | |
|---|------|------|---|
| | | | CEN/TC 442 Building Information Modelling (BIM) <i>Président : Øivind Rooth</i> <i>Secrétariat : Lisbet Landfald</i>  |
|  | | WG 1 | Terminology / Terminologie |
|  | | WG 2 | Exchange information / Échange d'informations |
|  | | WG 3 | Information Delivery Manual / |
|  | | WG 4 | Support Data Dictionaries / Dictionnaire de données |
|  | | WG 5 | Chairperson's Advisory Group / |
|  | | WG 6 | Infrastructure / Infrastructure |
|  | | WG 7 | Horizontal role / Rôle horizontal |

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- Participation of ERMCO in CEN/TC442 as Liaison Organization (decision taken by CEN/TC442 on 2020-09-10)
- CEN/TC442 structures which are the most relevant for our industry:
 - Priority in order to monitor and have input into standards work:
 - CEN/TC442 Plenary meeting “BIM”
 - CEN/TC442/WG4 “Support data dictionaries”:
Scope = provide data template for construction products (including Semantic Modelling and Linking Standard (SMLS) for data integration in the built environment)
 - CEN/TC442/WG7 “Horizontal role”:
Scope = link with the other CEN/TCs in order to make the BIM works the most reliable as possible.

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- CEN/TC442 structures which are the most relevant for our industry:
 - Second step:
 - CEN/TC442/WG1 “Terminology”:
Scope = provide advice to the TC442 WG’s on matters and issues related to BIM Terminology and harmonization of language across the standards developed by TC 442

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- What are the relevant discussion in CEN/TC442?
 - The discussion remain at general level: the subjects are quite far from a specific subject like a PDT for a product such as ready mixed concrete
 - ↳ A good opportunity for ERMCO to prepare our position and build a common view
 - CEN/TC442 WGs will provide resources to explain BIM issues (especially to other CEN/TCs): this will be carried out during the first half of 2021 with webinar and leaflet
 - ↳ Those resources will be helpful to manage our works and to bring information to ERMCO members

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- Next CEN/TC44 will be held on 16th June 2021 (in the meantime the WGs will have meetings in March 2021)
 - ↳ ERMCO proposed to present a liaison report during this upcoming meeting

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- Main standardization issues towards the ready mixed concrete industry (1/2)
 - Technical issue:
 - ↪ To contribute to the definitions of the dictionary of objects and to purpose the definition and characteristics of concrete to realize those objects.
 - Environmental issue:
 - ↪ To identify how concrete environmental data may be integrated into BIM models since the beginning, to be used at the very early stage of the decision process.

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

- Main standardization issues towards the ready mixed concrete industry (2/2)
 - Environmental issue:
 - ↳ BIM as a tool to increase the recycling aggregates production.
 - Marketing issue:
 - ↳ To be present in the competition among construction materials.

ERMCO WEBINAR “READY MIXED CONCRETE & BIM”

BIM is a key element of the digital transition: it contributes to a better quality and a better economic control because it incorporates the concept of global cost.

BIM thus becomes a key step towards the Smart City.