

23/11
/2023

CONCRETE DURABILITY AND SUSTAINABILITY

Latvian Concrete Association
31st scientific and technical conference

09:00 Opening session

R. Cepurītis (LBS chairman of the board, SIA Primekss, NTNU)

Concrete Durability

Moderator:
R. Cepurītis

09:20 What determines concrete durability? [LV] G. Šahmenko (RTU)

09:45 Carbonization resistance of concrete [EN]

U. Müller (SCHWENK Sverige AB)

10:10 Alkali-aggregate reactions in concrete [EN]

B. Wigum (Heidelberg Materials)

10:35 Prevention of concrete alkali-silica reaction in Lithuania [EN] A. Augonis (KTU)

11:00 Coffee break

11:20 Resistance of concrete towards chloride ingress [EN]

U. Müller (SCHWENK Sverige AB)

11:45 Freeze-thaw resistance test method comparison [LV] J. Zāle (SCHWENK Latvija)

12:05 Results of concrete olympics [LV] G. Šahmenko (RTU), T. Nowacki (Stachema)

12:20 Lunch break

Concrete Durability

Moderator:
G. Šahmenko

13:20 Concrete durability of airfield concrete [LV] J. Kudiņš, (BPC) A. Krūmiņš (A7 Betons)

13:40 Technical committee TK01 Freeze-thaw resistance and standard LVS156-1:2022 [LV]

J. Zāle (SCHWENK Latvija)

14:00 Unlocking the construction industry's environmental challenges [EN] T. Plauska (Consolis)

14:20 Determination of concrete strength in constructions taking into account concrete temperature during hardening and its effect on concrete durability [LV] J. Kudiņš (BPC)

14:40 3D printed concrete durability - nowadays research novelties [LV]

M. Šinka (RTU), E. Dzene (SAKRET)

15:00 Alkali - silica reactions for LV materials [LV] V. Baranovs (BPC)

15:15 Coffee break

Industry novelties

Moderator:
J. Zāle

15:35 Load-carrying capacity of thin-walled three-layer wall panels made of fiber concrete [LV]

U. Skadiņš (LBTU)

15:55 A new type of admixture for increasing the strength of concrete in production using cements with a low CO2 content [LV] G. Bianchin, K. Kravalis (Mapei)

16:15 UHPC plates in the project Ola Foundation [LV] E. Ozoliņš (MB Betons)

16:35 Rail Baltic requirements for structure sustainability [LV] E. Ogliņš (RB Rail AS)

16:55 Conference closing session: questions and discussions

R. Cepurītis (LBS chairman of the board, SIA Primekss, NTNU)