



Ar2CorD

Low Carbon Concrete for Arctic Climate with Excellent Sustainability and Durability

Project Ar2CorD focuses on the optimisation and durability assessment of low carbon concrete (LCC), supported by environmental analysis. LCC with substitution of min. 30% of cement by locally available SCM will be tested. The durability assessment of LCC will be addressed by (A) verification of existing, modified or newly designed accelerated freeze-thaw durability tests; and (B) initiation of natural weathering environment exposure at a long-term durability monitoring test site which will be established in Narvik Harbour within Ar2CorD project. The benefits of low carbon concrete will be verified by EPD and LCA.



Climate change
and resources
sufficiency

Budget

Total budget € 1.407.160

NPA Funding € 819.452, of which EU Funding: € 307.116

Duration

01/2023 – 12/2025

Partnership

UiT The Arctic University of Norway | Norway

Luleå University of Technology | Sweden

University of Oulu | Finland

Reykjavik University | Iceland

NORCEM AS/Heidelberg Materials Sement Norge AS | Norway

Betongindustri AB/Heidelberg Materials | Sweden

BM Vallá ehf. | Iceland

Permagreen Grønland A/S | Greenland

Associated organisations

Betongfokus | Norway

Betong Norge | Norway

Ruskon Betoni Oy | Finland

Finnish Concrete Association | Finland

The Housing and Construction Authority | Iceland



www.interreg-npa.eu

