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Six-year experience of Rheocore in development and implementation of "green" (CO₂ reduction up to 60%), cost-effective (100 MPa at the price of 40 MPa), low-cement (3 kg/MPa), high-strength (80-200 MPa), self-compacting concretes and GFRC concretes in Vietnam, Thailand, Russia; development of own equipment for concretes (mixers, guns)

Abstract: The report gives a brief overview of Rheocore's six-year experience in the development and implementation of low-CO₂ concrete (CO₂ reduction up to 60%), high compressive strength (up to 200 MPa), low material costs compared to traditional solutions (self-compacting concrete with compressive strength of 100 MPa for the price of traditional heavy concrete with compressive strength of 40 MPa) at real reinforced concrete plants in Vietnam, Thailand and Russia. And also, there is a review of the equipment of own development for GFRC production (by spraying method) with reduced cost of materials by 45%. Brief technical characteristics of the developed solutions and the obtained economic effect are given.