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Autore	Pendleton John H.
Titolo	Force structure : Army's annual report on modularity progress needs more complete and clear information to aid decision makers / / John H. Pendleton
Pubbl/distr/stampa	Washington, DC : , : United States Government Accountability Office, , 2013
Descrizione fisica	1 online resource (16 pages)
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2. Record Nr.	UNINA9910557617603321
Autore	Coppola Luigi
Titolo	Corrosion in Concrete: Inhibitors and Coatings
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Descrizione fisica	1 online resource (172 p.)
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Lingua di pubblicazione	Inglese
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Sommario/riassunto	Improving the durability of reinforced concrete structures is a mandatory strategy to reduce the environmental impact of construction materials together with aiming to limit carbon dioxide emissions, energy consumption and natural raw materials depletion. Hence, for both new and existing concrete structures, proper protective techniques are required to prevent premature failure induced by environmental aggressive agents. The book presents the most innovative findings both in designing durable new constructions and toward solving durability deficiencies in existing concrete structures, such as innovative special coatings, hydrophobic impregnations and pore blocking treatments that are very efficient in severe aggressive environments (seawater, biocorrosion, etc.). Moreover, migrant corrosion inhibitors applied on concrete surfaces are able to greatly improve resistance against both chloride and CO ₂ . Finally, special reinforcements and fibers, together with a proper designed cathodic protection, can greatly contribute to obtaining long-life reinforced concrete structures, significantly increasing the sustainability of concrete construction.