

References

- 1- Gupta .Y.P, “use of malwa Recycled Aggregate in concrete construction “a need of society for Better Environment. *Journal of Indian concrete in statute* VOL ,10 NO ,41 Jan 2010.
- 2- Real state August 1989 "Performance of structure ".
- 3- Ducon symposium (2004). “ Design and Detailing for Durability of concrete structures”.
- 4- Sarja, A, Vesikari , E(1996) , “Durability design of concrete structures”.
- 5- Neville A.M “Concrete Technology” CBE .DSC (Eng). DSC .FiCE. Fistrct EF Eng .FRSE .
- 6- . McGinley T.J "Reinforced concrete, Design Theory and Example".page 146.
- 7- Mackechnie, J.R., Alexander, M.G. and Rylands, T., ‘Performance of Ferrogard corrosion inhibitor in chloride environments’, unpublished report, University of Cape Town, 2000.
- 8- Bertolini L., Elsener B., Pedeferri P., Polder (2003) R., "Corrosion of steel in concrete".
- 9- A. Fraaj, (2005), "Repair and maintenance of concrete structures".
- 10-Visser, J.H.M, Polder, R.B., " Concrete binder performance evaluation in service life design".

-
- 11-Coronelli, D. (2002)," Corrosion cracking and bond strength modeling for corroded Bars in reinforced concrete". *ACI Structural Journal*, Vol. 99, No. 3, pp. 267–276.
- 12- Böhni, H. (2002). "Corrosion in Reinforced Concrete Structures", Cambridge, England, Wood head Publishing Limited, 248 pp.
- 13-Cabrera, J. G. and Ghoddoussi, P. (1992)," The effect of reinforcement corrosion on the strength of the steel/concrete "bond"". *Proceedings of the International Conference: Bond in Concrete*. Riga, Latvia, 10-11–10-24.
- 14-Lundgren, K. (2007)," Effect of corrosion on the bond between steel and concrete" An overview. *Magazine of Concrete Research*, Vol. 59, No. 6, pp. 447.
- 15-Rodriguez, J., Ortega, L. M. and Casal, J. (1997)" Load carrying capacity of concrete structures with corroded reinforcement". *Construction and Building Materials*, Vol. 11, No. 4, pp. 239–248.
- 16-Hoppe, G.E. and Varkevisser, J., "Long term monitoring of the effectiveness of the saline impregnation of a concrete arch bridge to inhibit further effects of alkali aggregate reaction" *FIP Symposium: The Concrete Way to Development*, CSSA, 1997, pp 777-786.
- 17-DESIGN OF REINFORCED CONCRETE STRUCTURES, Volume 2
MashhourAhmed Ghoneim Professor of Concrete Structures Cairo University,
Mahmoud Tharwat EI-Mihilmy Associate Professor of Concrete Structures Cairo University,2008,pp.224-225.

- 18- Mackechnie, J.R., Alexander, M.G. and Rylands, T., "Laboratory trials with an organic corrosion inhibitor" 14th Int. Corrosion Congress, Cape Town, 1999, CD-ROM.
- 19-DuraCrete, Project BE 95-1347," DuraCrete Final Technical Report".
- 20- Lundgren, K., Kettil, P., Zandi Hanjari, K., Schlune, H. and San Roman, A. S. (2009). *Analytical model for the bond-slip behaviour of corroded ribbed reinforcement*, Accepted for publication in *Structure and Infrastructure Engineering*.
- 21- Zand i Hanjari, K., Kettil, P. and Lundgren, K. (2008). *Analysis of the mechanical behavior of corroded reinforced concrete structures*, submitted to *ACI Structural Journal*.