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Effects of High Temperatures on the Properties of Fresh and Hardened Concrete: A Bibliography (1915-1983)

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This bibliography covers the international literature up to the early part of 1983 on the effects of high temperature [up to 140°F (60°C)] on the properties of fresh and hardened concrete. The following topics are covered: the workability of concrete, including setting, slump loss, and admixtures; curing and the cracking tendency of fresh concrete in hot climates; strength development of concrete, including early strengths, later-age strengths, and maturity of concrete; other properties of hardened concrete, such as shrinkage and creep; and construction practices in hot climates, including selection of materials, especially admixtures; protective measures; construction methods; and pertinent specifications. Steam and autoclave curing and other accelerating treatments of concrete are not covered.

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