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Parking Structure Structural Maintenance—Guide

Reported by ACI Committee 362

ACI PRC-362.2-21



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Parking Structure Structural Maintenance—Guide

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Parking Structure Structural Maintenance—Guide

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This guide assists parking structure owners, operators, and the consultants who advise them and who develop maintenance recommendations as required by ACI 562, in developing preventive maintenance programs for parking structures. It presents typical maintenance concerns and suggests ways of addressing them. The guide summarizes information regarding structural, operational, aesthetic, and routine maintenance for parking structures. Design suggestions to minimize maintenance are also included. A structural maintenance checklist of specific recommended tasks and references to other publications with information related to the structural maintenance of parking structures is included. Refer to ACI 362.1R for more complete information regarding design issues related to the performance of a parking structure.

Keywords: condition appraisal; construction joints; contraction joints; corrosion; cracking; durability; expansion joints; isolation joints; leakage; maintenance; membrane; parking structure; post-tensioning; precast; prestressed; ramp; scaling; sealant; sealer; snow removal; spalling.

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ACI PRC-362.2-21 supersedes ACI 362.2R-00(13) and became effective September 2021.

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