
Standard Specification for

Materials Used in Cold Recycled Mixtures with Foamed Asphalt

AASHTO Designation: MP 38-22¹

Technically Revised: 2022

**Technical Subcommittee: 2d, Proportioning
of Asphalt–Aggregate Mixtures**



**American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. This specification for cold recycling mix design with foamed asphalt uses mixture properties to produce a job mix formula for cold in-place recycling (CIR) or cold central plant recycling (CCPR).
 - 1.2. This standard specifies minimum quality requirements for cold recycled mixtures and foamed asphalt.
 - 1.3. The values stated in SI units are to be regarded as the standard.
 - 1.4. This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety concerns associated with its use. It is the responsibility of the user of this procedure to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.
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2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
 - < [M 85](#), Portland Cement
 - < [M 216](#), Quicklime and Hydrated Lime for Soil Stabilization
 - < [M 320](#), Performance-Graded Asphalt Binder
 - < [M 332](#), Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test
 - < [PP 94](#), Determination of Optimum Asphalt Content of Cold Recycled Mixture with Foamed Asphalt
 - < [T 283](#), Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage
 - 2.2. *Other Reference:*
 - < LTPP Seasonal Asphalt Concrete Pavement Temperature Models, LTPPBind
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3. TERMINOLOGY

- 3.1. *reclaimed asphalt pavement (RAP)*—removed and/or processed pavement materials containing asphalt binder and aggregate.