
**Geosynthetics — Procedure for
simulating damage under interlocking-
concrete-block pavement by the roller
compactor method**

*Géosynthétiques — Mode opératoire pour simuler l'endommagement
sous un revêtement en pavés béton autobloquants par la méthode du
compacteur à rouleau*



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ISO/TS 19708 was prepared by Technical Committee ISO/TC 221, *Geosynthetics*.

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Geosynthetics — Procedure for simulating damage under interlocking-concrete-block pavement by the roller compactor method

1 Scope

This Technical Specification specifies a test method for the determination, using a roller compactor for bituminous mixtures, of the damage to a geosynthetic used as a separator in interlocking-concrete-block pavements. The geosynthetic is placed between a cushion-sand course and a base coarse material. The roller compactor simulates highway traffic load and pedestrian load. After the roller compactor test, the cushion sand retained is determined.

This Technical Specification can be used for selecting a geosynthetic.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 554, *Standard atmospheres for conditioning and/or testing* — Specifications

ISO 9862, *Geosynthetics — Sampling and preparation of test specimens*

ISO 3310-1, *Test sieves — Technical requirements and testing* — Part 1: Test sieves of metal wire cloth

ISO 7619-1, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 1: Durometer method (Shore hardness)*

ISO 7619-2, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 2: IRHD pocket meter method*

EN 1097-2, *Tests for mechanical and physical properties of aggregates* — Part 2: Methods for the determination of resistance to fragmentation

EN 12697-33, *Bituminous mixtures — Test methods for hot mix asphalt* — Part 33: Specimen prepared by roller compactor

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

3.1

line pressure

pressure defined as the value of total loading force over a part of roller width contacting the surface of an interlocking-concrete-block pavement area