



Standard Specification for Indoor Wall/Feature Padding¹

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1. Scope

1.1 This specification covers wall padding and padding for other indoor structures. All padding constructions are included. The intended use of this specification is for the qualification of construction designs and comparison of products.

NOTE 1—This specification was developed due to the numerous designs in existence and the need to provide a method to determine if a wall pad meets a minimum level of protection.

NOTE 2—There is no equivalent ISO standard.

1.2 The values as stated in SI units are to be regarded as the standard. The values in parentheses are given for information only.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* See 7.1 for specific hazards statement.

2. Referenced Documents

2.1 *ASTM Standards:*²

F1292 [Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment](#)

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *coating*—polyvinyl chloride (PVC) or PVC copolymer, or both, or other suitable polymeric materials.

4. Classification

4.1 Classify padding in accordance with the specific application.

Type 1: Permanently attached
Grade A: Coated

Type 2: Removable
Grade B: Covered or encased

5. Significance and Use

5.1 The padding shall be constructed to yield the values listed in Table 1 throughout the impact area under the conditions of the manufacturer's warranty.

5.2 Special requirements for the padding shall be subject to purchase agreements. Special requirements shall never reduce any of the basic requirements listed in this standard.

5.3 Good manufacturing practices shall be used in the construction and inspection of the padding.

6. Performance Requirements

6.1 The requirements listed in this section and in Table 1 are minimal for new and reconditioned padding.

6.2 *Shock Absorption:*

6.2.1 Determine the shock absorption properties of the padding in accordance with instrumentation of Specification F1292.

6.2.2 The maximum g_{\max} values for the padding shall not exceed 200 and the HIC shall not exceed 1000 as listed in Table 1. Lower values for g_{\max} and HIC indicate better shock-absorbing values.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.