

**IEC 60079-18**  
**(Third edition – 2009)**

**Explosive atmospheres –**  
**Part 18: Equipment protection by encapsulation “m”**

**CORRIGENDUM 1**

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**7.3.1 Group III “m” equipment**

*In the second paragraph:*

*Instead of:* 100 000 mm<sup>3</sup>  
*read:* 100 cm<sup>3</sup>.

**Table 2 – Minimum thickness of compound adjacent to free space for Group III “m” equipment**

*In the table heading:*

*Instead of:* mm<sup>3</sup>  
*read:* cm<sup>3</sup>.

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**7.3.2 Group I and Group II “m” equipment**

*In the bullet points of the second paragraph:*

*Instead of:* 100 000 mm<sup>3</sup> and 10 000 mm<sup>3</sup>

*read:* 100 cm<sup>3</sup> and 10 cm<sup>3</sup> respectively.

**Table 3 – Minimum thickness of compound adjacent to free space for Group I and Group II “m” equipment**

*In the table heading:*

*Instead of:* mm<sup>3</sup>  
*read:* cm<sup>3</sup>.

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**8.2.4.1 Test procedure**

*Add, after the second paragraph, the following new text:*

For arrangement b), circuits that contain transient suppression components connected between the circuit and the earthed parts, a special test sample without these components shall be permitted for the type test.

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## 9.2 Dielectric strength test

*Add, after the last paragraph, the following new text:*

In the case of equipment that employs circuits that contain transient suppression components connected between the circuit and the earthed parts, the equipment need not be subjected to routine dielectric strength tests, if intended for use only with a galvanically isolated circuit, and shall be marked "X" to indicate this specific condition of use in accordance with the "specific conditions of use" marking requirements of IEC 60079-0.

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