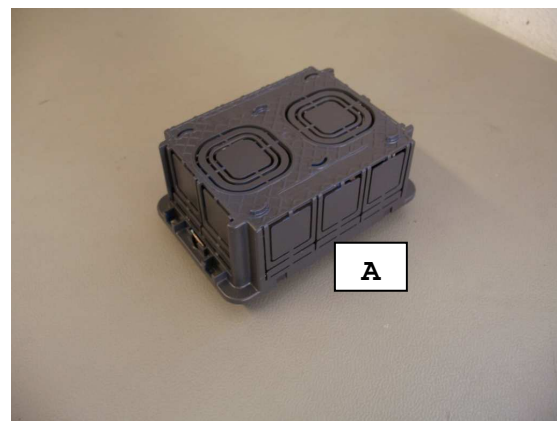
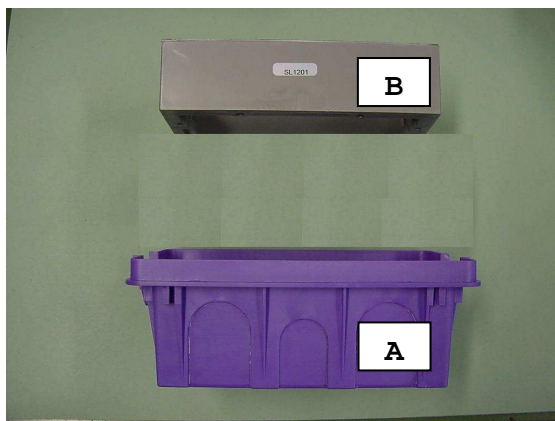


## OSM/IN DECISION

<b>Standard:</b> EN 60670-1:2005	<b>Sub clause:</b> 7 - 15	<b>Sheet N°:</b> OSM/IN 254
<b>Subject:</b> Classification of flush-mounting boxes according to clause 7, Table 1, and consequent applicability of clause 15 “Mechanical tests”	<b>Key words:</b> <ul style="list-style-type: none"> <li>- flush-mounting boxes</li> <li>- mechanical tests</li> </ul>	<b>Meeting N°:</b> 20 (2010)  <b>Item:</b> 3.3.2 c)

**Question:** In the pictures below, flush-mounting boxes designed for non-combustible walls and not suitable for installation into concrete during the casting process are given as example. No parts are intended to be accessible after the completion of the building process.



A = Box (not accessible after the completion of the building process)  
 B = Cover-plate for accessories (accessible)

How the above mentioned flush-mounting boxes (parts A) can be classified?  
 Which requirements of clause 15 “Mechanical tests” shall consequently be applied?

**Decision:** In clause 7, Table 1, boxes and enclosures may be suitable for more than one method of installation (7.2, note a). Therefore only one method of installation is not precluded.

The above mentioned flush-mounting boxes may be classified by the manufacturer according to 7.2.1.1 only (7.2.3.2 is excluded).

*To be continued*

## OSM/IN DECISION

<b>Standard:</b> EN 60670-1:2005	<b>Sub clause:</b> 7 - 15	<b>Sheet N°:</b> OSM/IN 254
<b>Subject:</b> Classification of flush-mounting boxes according to clause 7, Table 1, and consequent applicability of clause 15 “Mechanical tests”	<b>Key words:</b> - flush-mounting boxes - mechanical tests	<b>Meeting N°:</b> 20 (2010) 3.3.2 c) <b>Item:</b>

As a consequence:

- parts A and B **are not** subjected to sub-clauses 15.1 “Impact test at low temperature” and 15.2 “Compression test”;
- parts A classified according to 7.5.1 (-5 °C to +60 °C) **are not** subjected to sub-clause 15.3 “Impact test for boxes and enclosures”;
- parts A classified according to 7.5.2 (-15 °C to +60 °C) and 7.5.3 (-25 °C to +60 °C) **are** subjected to sub-clause 15.3 (but in the standard it is not specified the duration of conditioning at the minimum temperature during installation);

*In order to clarify, IEC/SC 23B/MT5 proposed to modify the 3<sup>rd</sup> dash text of 2<sup>nd</sup> § of 15.3 as follows :*

*– for boxes classified according to 7.5.2 and 7.5.3 at the minimum temperature during installation. The whole arrangement together with the specimens shall be placed in a refrigerator, the temperature within being maintained for 2 h ± 15 min at*

- (-15 ± 2) °C for types as classified according to 7.5.2;*
- (-25 ± 2) °C for types as classified according to 7.5.3.*

- parts B **are** subjected to sub-clause 15.3.

**Explanatory notes:**

This OSM/IN decision is based on the agreement reported in the file “Decision taken by MT5 on the OSM/IN.doc” taken by Maintenance 5 of IEC/SC 23B during the meeting held on 25<sup>th</sup> and 26<sup>th</sup> March 2010 in Munich, Germany, on the OSM/IN outcome as reported in document 23B/MT5(Secretariat)178. During this meeting IEC/SC 23B/MT5 also agreed to include **the above mentioned modification** in a IEC DC document to be published and considered during the maintenance of IEC 60670-1.