OSM/IN DECISION

Standard:	EN 60670-1:2005	**Sub clause:**	13.3.4	**Sheet N°:**	OSM/IN 230
Subject:	Positioning of the dry absorbent paper and the strip of paper for IP tests	**Key words:**	- Dry absorbent paper - Protected volume - Strip of paper	**Meeting N°:** **Item:**	18 3.3.3

Question:

"Ingress of water is verified by the use of dry absorbent paper positioned to occupy the base area of the protected volume.
Unless it is decided otherwise by the manufacturer, the protected volume shall include the volume covered by the projection of the lid or cover reduced by 5 % on each side for a higher protected volume.
For doors or covers intended to accommodate accessories, a strip of paper, bent to form a 90° angle profile, is attached to the base of the cover or lid.
The paper should project from the surface to a depth of the surface cover up to a maximum of 20 mm."

The positioning of the dry absorbent paper and the strip of paper, in case of enclosures with doors or covers intended to accommodate accessories, is not clear.

Decision:

Modify the text of IEC 60670-1 clause 13.3.4 as follows:

13.3.4 Ingress of water is verified by the use of dry absorbent paper *positioned to occupy the base area of the protected volume.*

Unless it is decided otherwise by the manufacturer the protected volume shall correspond to the total internal space of the enclosure reduced by 5% on each face of the enclosure, i.e. 10% on each dimension of the enclosure.

$$Vp = 0{,}9\ L \times 0{,}9\ l \times 0{,}9\ H$$

NOTE In order to construct the internal volume in absorbent paper the manufacturer should provide for the test a specimen where the absorbent paper is suspended by reliable suspension means.

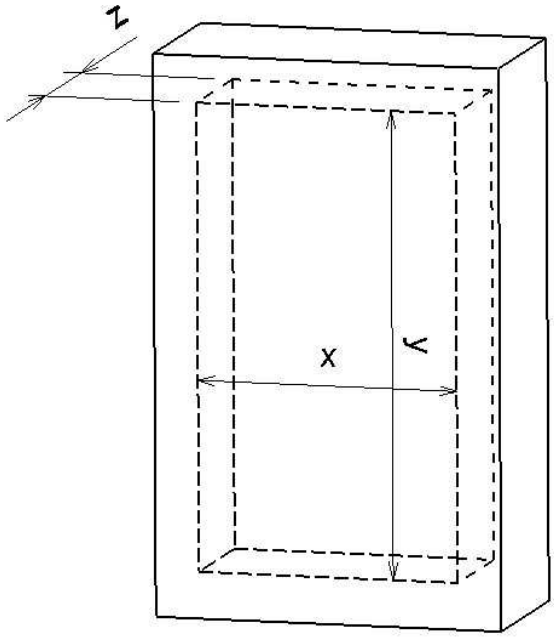
For doors or covers ~~intended to accommodate accessories~~, a strip of paper, bent to form a 90° angle profile, is attached to the base of the cover or lid which protrudes inside the box until it reaches the internal protected volume of the box.

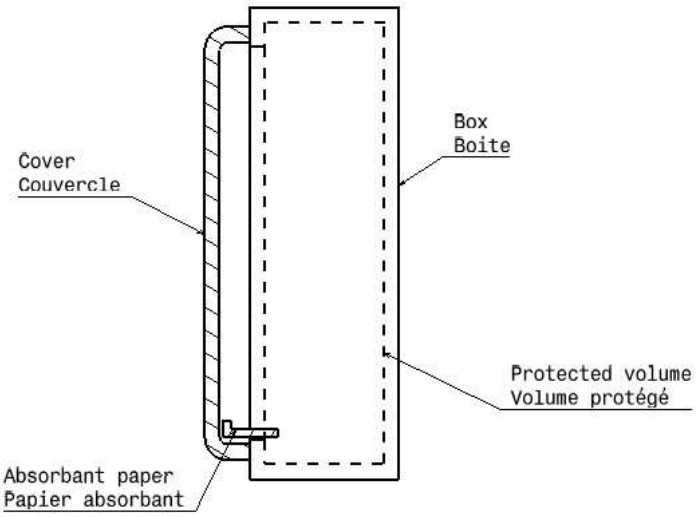
NOTE If the enclosure could have more than one position of installation the test shall be carried out in all case of installation.

To be continued

OSM/IN DECISION

Standard:	EN 60670-1:2005	**Sub clause:**	13.3.4	**Sheet N°:**	OSM/IN 230
Subject:	Positioning of the dry absorbent paper and the strip of paper for IP tests	**Key words:**	- Dry absorbent paper - Protected volume - Strip of paper	**Meeting N°:** **Item:**	18 3.3.3





To be continued

OSM/IN DECISION

Standard:	EN 60670-1:2005	**Sub clause:**	13.3.4	**Sheet N°:**	OSM/IN 230
Subject:	Positioning of the dry absorbent paper and the strip of paper for IP tests	**Key words:**	- Dry absorbent paper - Protected volume - Strip of paper	**Meeting N°:** **Item:**	18 3.3.3

Explanatory notes: Decision taken by CLC/TC 23B/WG3 “Boxes” after examination of this question from OSM/IN.

After this agreement, CLC/TC 23B/WG3 experts asked the convenor to send this document with the drawings to IEC/SC 23B/ MT5 for the meeting planned in November 2007 in Sydney in order to be added to the amendment 1 of IEC 60670-1 which is in preparation. After the IEC/SC 23B/MT5 meeting the agreed document will be published in CENELEC as Interpretation Sheet.