

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 60335-2-24 Amendment 2 to Edition 7.0 2017-04

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers

INTERPRETATION SHEET 1

This interpretation sheet has been prepared by subcommittee 61C: Safety of refrigeration appliances for household and commercial use, of technical committee 61: Safety of household and similar electrical appliances.

The text of this interpretation sheet is based on the following documents:

FDIS	Report on voting
61C/730/FDIS	61C/734/RVD

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

SC 61C interpretation sheet on: Subclause 30.2.101 with respect to testing of built-in appliances and interpretation of accessible non-metallic material

Questions: Some questions have arisen over the text added to 30.2 and 30.2.101 via AMD2 concerning non-metallic material on the external rear surfaces of an appliance that is in direct contact with thermal insulation. These are:

- Is the non-metallic material on the external rear surfaces of an appliance that is in direct contact with thermal insulation considered to be “accessible non-metallic material” ?
- Does the term “accessible” have the meaning defined in 3.6.3 of Part 1 ?
- What force is applied to test probe B when judging accessibility ?
- For built-in appliances, is accessibility judged before the appliance is built-in ?

Relevant text from IEC 60335-2-24 AMD2

The addition to 30.2 states:

For accessible thermal insulation and non-metallic material on the external rear surfaces of an appliance having an area exceeding 75 cm² that is in direct contact with the thermal insulation, compliance is checked by the test of 30.2.101.

Subclause 30.2.101 states:

30.2.101 *Accessible thermal insulation and non-metallic material on the external rear surfaces of an appliance that is in direct contact with thermal insulation*

- *is subject to the needle-flame test (NFT) of Annex E; or*
- *shall comprise material classified as V-0 or V-1 according to IEC 60695-11-10 provided that the test sample used for the classification was no thicker than the relevant part of the appliance.*

Non-metallic material

- *that is within 150 mm from the top surface of the appliance;*
- *that is on the left side or right side of the motor-compressor compartment;*
- *that has an area not exceeding 75 cm² that is in direct contact with the thermal insulation*

is not tested.

ANSWERS

- a) Yes
- b) Yes
- c) The test probe is applied with a force not exceeding 1 N
- d) Yes. This is irrespective of the last paragraph of 5.10 of Part 1