

**AMENDMENT NO. 1 SEPTEMBER 2024**  
**TO**  
**IS 302-2-23 : 2009 SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL**  
**APPLIANCES**  
**PART 2 PARTICULAR REQUIREMENTS**  
**SECTION 23 APPLIANCES FOR SKIN OR HAIR CARE**  
*( First Revision )*

*(Page 3, clause 7.1)* — Substitute the following for the existing:

‘Portable hairdryers, curling irons and similar appliances shall be marked with symbol given in 7.6, or with the substance of the following:

**WARNING:** Do not use this appliance near water.’

*(Page 3, clause 7.6)* — Substitute the following for the existing:



Do not use this device in a bathtub, shower, or water-filled reservoir’.

*(Page 3, clause 7.12)* — Substitute the following for the existing:

‘The instructions for portable appliances shall include the substance of the following:

- a) When the appliance is used in a bathroom, unplug it after use since the proximity of water presents a hazard even when the appliance is switched off; and
- b) For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30 mA is advisable in the electrical circuit supplying the bathroom. Ask your installer for advice.

If symbol at 7.6 is used the meaning shall be explained. Instructions shall also state the substance of the following:

**WARNING:** Do not use this appliance near bathtubs, showers, basins or other vessels containing water.

The instructions for facial saunas shall state that after use the appliance should be cleaned to avoid the accumulation of grease and other residues.

The instructions for hair straighteners and curling irons shall include the substance of the following:

- a) burn hazard. Keep appliance out of reach from young children, particularly during use and cool down;
- b) when the appliance is connected to the power supply, never leave it unattended; and
- c) always place the appliance with the stand, if any, on a heat-resistant, stable flat surface.’

**Price Group 1**

**Amendment No. 1 to IS 302-2-23 : 2009**

*(Page 4, clause 7.14)* — Insert the following at the end:

**‘7.15** The additional marking required for portable hairdryers, curling irons and similar appliances may alternatively be on a warning flag tag that is permanently attached to the supply cord close to the plug.

NOTE — A flag tag is otherwise referred to as a swing tag or cord tag or other permanently affixed label on a cord.’

*(Page 4, clause 10)* — Insert the following:

‘This clause of Part 1 is applicable except as follows:

**10.1** Addition:

The representative period for appliances incorporating PTC heating elements is 30 min.

**10.2** Addition:

The representative period for appliances incorporating PTC heating elements is 30 min.

*(Page 5, clause 19.101)* — Substitute the following for the existing:

Hairdryers are operated as specified in Clause 11 until steady conditions are established. The voltage at the terminals of the motor is then reduced until the running speed of the motor is just sufficient to prevent the thermal cut-out from operating, the power input to the heating element being maintained at 1.15 times rated power input.

The voltage is decreased at:

- a) 1 V per minute, for motors having a working voltage not exceeding 30 V; and
- b) 5 V per minute, for motors having a working voltage exceeding 30 V.

The appliance is then operated until steady conditions are established.

The test is repeated with the heat setting switch placed in each position. The voltage to the heating element is maintained at the value that gives 1.15 times rated power input with the switch at the highest heat setting position.’

*(Page 5, clause 19.102)* — Substitute ‘50  $\mu\text{m}$ ’ for ‘50 mm’.