



Standards Info Bulletin

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Technical information EN 60335-2-9

ZLS and the German market surveillance authorities recently found faults with products such as mini ovens and toasters. Reported problems were hot surfaces such as doors and periphery components.

The new amendment EN 60335-2-9/A12:2007 was issued with the DOW (Date of Withdrawal) date 01.10.2010.

ZLS clarified during the EK1 working group meeting that EN 60335-2-9 does not sufficiently address the topic of hot surfaces, making reference to the valid EU commission opinion 2000/C104/07 and CENELEC Guide 29.

Versions of EN 60335-2-9, prior to amendment A12, do not address risks in relation to non-functional surface temperatures; the LVD (Low Voltage Directive) requires electrical equipment to be designed and manufactured in such a way that protection against hazards in relation to surface temperatures is assured.

Products assessed against earlier versions of the standard may show excessive temperatures on non-functional surfaces. These products will not comply with the requirements of the LVD and will no longer be approved for the GS-mark.

In the amendment A12, the new requirement of the temperature rise measurement on hot functional surfaces applies for appliances such as:

- Ovens, rotary grills and cookers will be tested according clause 11.Z101
- Contact grills, waffle irons, sandwich makers, radiant grills, raclette grills, griddles will be tested according clause 11.Z102 and
- Bread makers will be tested according clause 11.Z103

Temperature limits for surfaces are given in Table Z101, ranging from 85-105K for top and door surfaces and 60-80K for other surfaces.

This new requirement poses a new challenge for the majority of manufacturers as product design and construction may have to be modified accordingly.

By ZLS/EK1 decision effective from 07.05.2009, all GS-certificates, issued for products according to EN 60335-2-9, must be evaluated and updated before 06.11.2009 or otherwise withdrawn.

TÜV SÜD will support you to verify that your products are in compliance with the requirements and update the relevant certificates.

In addition, TÜV SÜD can also conduct information update seminars for your certification and R&D departments.



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