

STANDARD TECHNICAL SHEET

BS EN 16139:2013 FURNITURE:

Strength, durability and safety - Requirements
for non-domestic seating

This European standard specifies requirements for the safety, strength and durability of all types of non-domestic seating, including seating for care homes, hospitals, public areas, hotels, hospitality, bars, cafés, restaurants and office visitor chairs, intended for use by adults with a weight of not more than 110 kg.

BS 16139:2013 AMALGAMATES TWO PREVIOUS STANDARDS:

 WITHDRAWN

BS EN 13761: 2002

Office furniture - Visitor
chairs

 WITHDRAWN

BS EN 15373: 2008

Furniture - Strength, durability
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non-domestic seating

It also introduces several changes. There are now only two test levels, as opposed to the three levels in BS EN 15373, and the standard references the most current test methods. The standard also includes information about the recommended sizes of single-seat office visitor chairs, which were previously contained in BS EN 13761.

I TEST LEVELS

Products are tested to the following levels relative to their range of applications:

Level 1: General Use

For example, various applications in office buildings, showrooms, public halls, function rooms, restaurants, cafés, banks, and bars.

Level 2: Extreme Use

Such as night clubs, police stations, transport terminals, sports changing facilities, prisons and barracks (non-controlled areas).

I EXCLUSIONS

BS EN 16139:2013 does not apply to ranked seating, office work chairs, chairs for educational institutions, outdoor seating, or links for linked seating for which European standards or drafts exist. Also, it does not apply to work chairs for industrial use.

This standard does not include requirements for the durability of upholstery materials, castors, reclining and tilting mechanisms, and seat height adjustment mechanisms. These tests may be carried out with reference to the appropriate requirements for other BS EN standards. Furthermore, the standard does not include requirements for the resistance to aging, degradation, or flammability.

I REFERENCED STANDARDS

BS EN 16139:2013 references the following documents which are essential for its application:

BS EN 1022 **Domestic Furniture**

Seating - Determination of stability

BS EN 1335-3: 2009 **Office Furniture**

Office work chairs
- Part 3 Test methods

BS EN 1335-2:2009 **Office Furniture**

Office work chairs
- Part 2 Safety requirements

BS EN 1728:2012 **Furniture**

Seating - Test methods for the determination of strength and durability



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At our UKAS accredited laboratory, our experts test to all the main British, European and American standards, and many clients use our expertise to devise bespoke tests. We conduct testing that simulates real-life use and foreseeable misuse for all types of furniture and related products including flammability, safety, strength, and durability, and performance tests.

Version 1



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