

## **Datasheet: Stand ceilings and roofing**

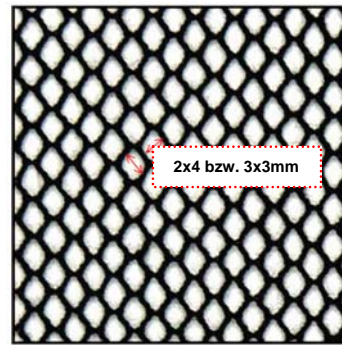
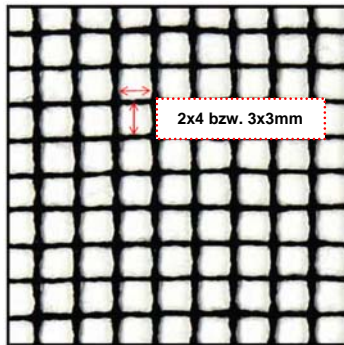
(Excerpt from the Messe Frankfurt Technical Guidelines – 2009 version)

**In order to ensure that sprinkler protection is not impaired, stands on the exhibition levels must always be open at the top.**

### **Sprinkler-compatible ceilings without compensatory measures:**

Ceilings are to be considered open when no more than **50%** of the ceiling area, i.e. of each individual square metre, is closed. Sprinkler-compatible ceiling materials with a mesh size of at least **2x4 mm or 3x3 mm** are permissible. Tarpaulins are to be hung horizontally and only in one layer. Tarpaulins should not be allowed to sag.

### **Sprinkler-compatible ceiling materials – examples:**



### **Requirements for ceiling materials:**

All stand ceiling materials must comply with construction materials **class B1 of DIN 4102**, and/or **class C of EN 13501-1**, i.e. they must be flame-retardant and must not drip while burning or generate toxic gases. **A copy of proof of compliance must be kept at the stand.**

### **Closed ceilings with and without compensatory measures:**

Up to **30 m<sup>2</sup>** of contiguous ceiling area may be covered for one stand without any additional measures being necessary, as long as this does not exceed **50%** of the stand area. In order to ensure that multiple ceiling areas taken together do not exceed the maximum size of **30 m<sup>2</sup>**, a distance of at least **1.50 m** from the edge of the stand is to be maintained at all times. It is also possible to have multiple ceiling areas of up to **30 m<sup>2</sup>** within a single exhibition stand, as long as a minimum distance of **3.00 m** is maintained between each ceiling area. If multiple ceiling areas are placed next to one another (**including across multiple stands**), resulting in a total area of greater than **30 m<sup>2</sup>**, suitable compensatory measures are required (please see Item 4.4.1, Table 1 "Fire protection requirements for one-storey exhibition stands with closed ground floor ceilings and two-storey exhibition stands with open top floor ceilings").

The installation of corresponding compensatory facilities (**1. Fire alarm system, 2. Wall hydrant, 3. Visual/Acoustic alarm, 4. Automated smoke extraction system, 5. Sprinkler system**) is to be performed by Messe Frankfurt contractors and entails a fee.

A permit is required for closed ceilings larger than **30 m<sup>2</sup>**. Plans are to be submitted to the Event Engineering department of Messe Frankfurt for approval by no later than six weeks before the start of the event.

With two-storey constructions, ceilings as exhibits and darkening systems, closed ceilings can be permitted with certain restrictions. (Please also see Items 4.4.1 and 4.9 of the Messe Frankfurt Technical Guidelines for two-storey constructions)

**All requirements relating to the installation of closed ceilings can be found under Item 4.4.1, Tables 1 and 2, of the Messe Frankfurt Technical Guidelines.**

If you have any questions, please do not hesitate to contact us.

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