Third edition 2010-06-15

Reaction to fire tests for floorings —

Part 1:

Determination of the burning behaviour using a radiant heat source

Essais de réaction au feu des revêtements de sol —

Partie 1: Détermination du comportement au feu à l'aide d'une source de chaleur rayonnante



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Foreword

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ISO 9239-1 was prepared by Technical Committee ISO/TC 92, Fire safety, Subcommittee SC 1, Fire initiation and growth.

This third edition cancels and replaces the second edition (ISO 9239-1:2002) which has been technically revised.

ISO 9239 consists of the following parts, under the general title Reaction to fire tests for floorings:

- Part 1: Determination of the burning behaviour using a radiant heat source
- Part 2: Determination of flame spread at a heat flux level of 25 kW/m²

Introduction

The measurements in the test method in this part of ISO 9239 provide a basis for estimating one aspect of fire exposure behaviour of floorings. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floor of a corridor whose upper surfaces are heated by flames or hot gases or both, during the early stages of a developing fire in an adjacent room or compartment under wind-opposed flame-spread conditions.