

## BS 7176:2007

Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites.

BS 7176 specifies requirements for the resistance to ignition of upholstered furniture used for seating when tested in accordance with BS 5852, BS EN 1021-1 or BS EN 1021-2, as appropriate. The levels of ignition resistance have been set after careful consideration of the fire risk of the particular end-use environment involved. Upholstered seating for domestic use and transport is not covered by this standard.

### Test Method

Hazard Category	Standard/requirements	Typical examples
Low hazard	Resistant to ignition source: smouldering cigarette as specified in BS EN 1021-1:2006. Resistant to ignition source: match flame equivalent as specified in BS EN 1021-2:2006.	Colleges, Day centres, Exhibitions Museums, Offices Schools, Universities
Medium hazard	Resistant to ignition source: smouldering cigarette as specified in BS EN 1021-1:2006. Resistant to ignition source: match flame equivalent as specified in BS EN 1021-2:2006. Resistant to ignition source 5 for upholstery composites as specified in BS 5852:2006	Casinos, Hospitals Hotels, Hotel bedrooms, Places of public, entertainment, Public buildings, Public halls, Public houses and bars, Restaurants
High hazard	Resistant to ignition source: smouldering cigarette as specified in BS EN 1021-1:2006. Resistant to ignition source: match flame equivalent as specified in BS EN 1021-2:2006. Resistant to ignition source 7 for upholstery composites as specified in BS 5852:2006	Offshore installations, Sleeping accommodation in certain hospital wards and certain hostels
Very high hazard	Resistant to ignition source: smouldering cigarette as specified in BS EN 1021-1:2006. Resistant to ignition source: match flame equivalent as specified in BS EN 1021-2:2006. Resistant to ignition source 7 as specified in BS 5852:2006, Additional requirements at the discretion of the specifier with high hazard requirements as a minimum	Locked psychiatric accommodations Prison cells