

Inclusive needs

Does fire safety law adequately address the needs of disabled people living in flats in tall buildings? **Claire Wise** investigates



THE APPLICATION of inclusive design principles is enabling disabled people to enter and use buildings more easily, and yet little guidance is available on the evacuation needs of disabled people living in tall residential buildings. It is known that people with physical impairments can take between two and nearly four times longer to evacuate a residential building¹ so, with more than 18% of the population having some sort of disability or long-term illness², this is an area that needs careful consideration.

The complexities of high-rise buildings create specific risks compared with houses and flats in low-rise buildings. With increasing numbers of disabled and older people living in tall buildings, it is necessary to explore whether existing building design and post-occupancy management procedures adequately address their needs.

Research carried out by the author has found that, while existing fire safety law clearly sets out duties in legislative terms, the practical application of this may not be effectively reaching those considered to be the 'responsible person'.

New research

To explore the issues, the research involved interviews with professionals, such as fire engineers and policymakers, to examine:

- the frequency of incidents that resulted in the need to evacuate domestic buildings
- professionals' views on whether the design of the building had facilitated or hindered egress of disabled people
- whether existing guidance is felt to be sufficient to secure the safety of disabled people

In addition, questionnaires were sent to groups representing disabled people to establish their perspective on current fire

safety guidance; the degree to which disabled people were consulted when fire risk assessments were carried out; and the likely behaviours of disabled people in the event of a fire.

The results of the research highlighted three main areas of concern: that responsible persons and residents do not have sufficient awareness of fire safety; that risk assessments may not consider the specific risks associated with tall buildings and the functional abilities of residents living within them; and that disability is not high enough on the fire safety agenda in tall domestic buildings.

Current legislation

The Regulatory Reform (Fire Safety) Order 2005 and the Housing Act 2004 were seen by the interviewees as the most important pieces of legislation relating to fire safety in England and Wales. These pieces of legislation were acknowledged as fairly new, compared with legislation for public buildings and places of employment. This suggests there is still much to learn about the construction and fire safety features in domestic tall buildings, as well as the behaviours of residents.

Both the Fire Safety Order and the Housing Act are limited in their scope, since they apply primarily to communal areas of buildings and not individual domestic premises. While they specify clear duties, there is also little guidance on how these are applied together. It could be argued that, if policymakers are not linking the two pieces of legislation, professionals applying the legislation may not be able to accurately implement the requirements, leaving duties subject to the personal interpretation of those responsible for their implementation.

The interviewees also felt that housing landlords are, for the most part, not aware of their duties in relation to

Responsible persons

There is a lack of specific guidance for those carrying out risk assessments on the needs of disabled people, particularly in high-rises





The actions disabled people should take in a fire, such as staying put or using lifts, are often unclear

Guidance and training gaps

The risk assessment is central to ensuring fire safety, and those carrying out assessments must have a good understanding of the potential risks and their management. However, a gap exists in the specific training available for those needing to undertake risk assessments in tall buildings containing dwellings.

The difference between domestic properties and public buildings was highlighted by the research; it is arguable that support should be available to bridge these differences, particularly while relevant legislation and duties are new to the sector.

It is also of concern that, while reference is made to risk assessments needing to be carried out by skilled people, there is no description that quantifies this or provides a minimum standard. There are currently no known training courses that specifically cover risk assessments for tall buildings containing dwellings, and so it could be difficult for risk assessors to develop the specific skills needed.

In addition, there appears to be a critical gap in the legislation and guidance covering the assessment and provision for disabled residents living in tall buildings. There are implications for disabled residents where correct provisions are not made. Disabled people can take a long time to negotiate stairs, and this could limit the flow of traffic evacuating a tall building where only one stairwell exists. This could compound difficulties that firefighters would face using the stairwell to reach the fire.

Evacuation procedures

The challenge in implementing inclusive design principles and promoting independence appears to lie in recognising that not all people can manage certain tasks on their own.

Assuming that good design alone can enable all people to exit a building independently could have devastating outcomes, if inaccurate. The Fire Safety Order requires all users of a building to be considered in a risk assessment, but makes no specific reference to disabled residents – yet an understanding of disability is critical in ensuring that disabled residents are accounted for in an appropriate and respectful way.

Provision of information is critical in raising awareness of fire safety precautions and evacuation procedures, as well as influencing behaviour. The responses from disability organisations that took part in the research reflect the limited understanding of the differences between dwellings and public buildings, where moving to a refuge space is often recommended.

The responses to the questionnaires indicate little clarity on what actions disabled people should take in the event of a fire. Most disabled organisations would advise their members to move to a refuge space. However, while this practice is common in public buildings, it is less so in dwellings, and therefore could be an indication that assumptions are being made about fire safety procedures.

Only seven out of the 20 disabled organisations that responded to the questionnaire said they would advise their members to use a lift that was safe to use in the event of a fire, and only six said they would advise members to stay in their home while a fire is extinguished. Five organisations would advise their members to descend the stairs, even if this is difficult for the resident. These responses indicate a lack of confidence in, or limited awareness of, evacuation lifts and compartmentation.

Disability issues

Awareness of the needs of disabled people is clearly increasing, although there is a lack of specific guidance for those carrying out risk assessments on the needs of disabled people. There are implications for disabled residents, particularly those with mobility impairments, living on upper levels of tall buildings.

More than 50% of the responses received from disability organisations stated that disabled people were not consulted when evacuation procedures were developed – indicating that they are likely to be excluded from the risk assessment. It was clear from some responses received from disability groups that the issue of fire safety is rarely raised, if at all. This indicates limited engagement and consultation with disabled people and their representatives and advocates.

It would seem that, in reality, disabled residents may compromise their safety by choosing to live in buildings that cannot accommodate their individual needs safely in the event of a fire. As an example, where adequate compartmentation is not part of the original construction of the building, it could take a significant time for a mobility-impaired person to descend many flights of stairs in an emergency. That person's safety would be at risk while they evacuated, and they might restrict the flow of ambulant people also attempting to descend the stairs.

There has to be a clearer understanding of the implications that living in tall buildings will have. It may be

RBK00030073/4
RBK00030073 0004