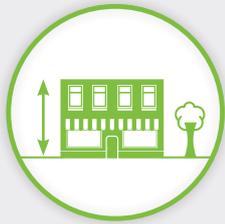


NZ FIRE COMPLIANCE

NZBC Fire Regulations and Acceptable Solutions



511 (2020)
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10m or less in height



VEHICLE STORAGE & PARKING

(Car parking buildings, vehicle parking, service vehicle & unloading areas etc.)

Risk group VP



RESIDENTIAL HOUSES

Risk group SH



Must be greater than 1m from relevant boundary



HIGH LEVEL STORAGE OR SERVICE ACTIVITIES

(With potential for fast fire growth)
(high storage buildings, high shelving etc.)

Risk group WS



TOWNHOUSES, SMALL MULTI-UNIT DWELLINGS & OUTBUILDINGS

Risk group SH



INDUSTRIAL & STORAGE ACTIVITIES

(Factories, processing & manufacturing plants (excluding formed plastics), low level storage etc.)

Risk group WB

PERMANENT, TRANSIENT & EDUCATION ACCOMMODATION

(Apartments, hotels, motels, hostels etc.)

Risk group SM



PROFESSIONAL ACTIVITIES

(Offices, Laboratories, workshops etc.)

Risk group WB

PUBLIC ACCESS & EDUCATIONAL FACILITIES

(Halls, theatres, schools, early childhood centres, churches etc.)

Risk group CA



Industrial & Commercial



Residential & Apartment

*Weathertex cannot be used on risk group SI buildings.

TABLE 1.1 RISK GROUPS: SCOPE AND LIMITATIONS

Acceptable Solution	Risk group	Applies to
C/AS1	SH Buildings with sleeping (residential) and outbuildings	<p>Detached dwellings with a single household unit such as: stand-alone houses Low-rise multi-unit dwellings where each household unit has its own escape route that is independent of all other household units such as: Attached townhouses. Stacked household units where there is no more than one household unit above another with each household unit having a single storey and an escape height less than 4.0 m.</p> <p>Detached dwellings where fewer than six people (not including members of the residing family) pay for accommodation such as: boarding houses, homestays, bed and breakfast. Outbuildings</p>
Acceptable Solution C/AS2	SM Sleeping (non-institutional)	<p>Permanent accommodation such as: Apartment buildings and other buildings which consist of more than one household unit (other than low-rise multi-unit dwellings in the scope of risk group SH).</p> <p>Transient accommodation such as: Hotels, motels, serviced apartments, hostels, backpackers, cabins at holiday parks. Buildings where six or more people pay for accommodation (such as boarding houses/homestays/ bed and breakfast). Wharenui and other community sleeping spaces such as halls (even if used occasionally). Sheltered housing such as refuges, reintegration for prisoners, homeless shelters etc.</p> <p>Educational accommodation such as: University halls of residence, school boarding hostels etc.</p>
	CA Public access and educational facilities	<p>Crowd activities such as: Halls, theatres and cinemas. Recreation and event centres (including tiered seating for up to 2000 people and with any primary egress for more than 100 people at the level of the playing surface). Educational institutions without sleeping including schools and early childhood centres. Churches and other places of worship. Restaurants and cafes, shops and shopping malls. Exhibition, retail areas including car showrooms and trade fair space. Public libraries with less than 2.4 m storage height. Spaces for viewing open air activities (does not include spaces below a grandstand), open grandstands, roofed but unenclosed grandstand, uncovered fixed seating).</p> <p>Personal service activities such as: Dentists, doctors (except as included within risk group SI), banks, beautician and hairdressing salons.</p>
	WB Business, commercial and low level storage	<p>Professional activities such as: Offices (including professional services such as law and accountancy practices). Laboratories, workshops (including mechanics workshops). May contain storage with a capable height of storage of less than 3.0 m.</p> <p>Industrial activities such as: Factories, processing and manufacturing plants (excluding foamed plastics) with a capable height of storage of less than 3.0 m.</p> <p>Storage activities such as: Buildings or parts of buildings capable of storage no more than 5.0 m in height. Warehouses and storage buildings (other than those listed above), capable of storage more than 5.0 m in height, but a height to the apex no greater than 8.0 m and total floor area of no more than 4200 m2. Temperature controlled storage with a capable height of storage of less than 3.0 m, other than some limited areas in processing areas, or up to a maximum area of 500 m2 with a maximum capable of storage height of 5.0 m.</p> <p>Intermittently occupied buildings (other than outbuildings) such as: Light aircraft hangers, buildings containing fixed plant and or fixed machinery and spray painting operations, whether or not in a spray booth.</p>
	WS High level storage or potential for fast fire growth	<p>Storage activities such as: Warehouses with a capable height of storage of over 5.0 m or over 8.0 m to the apex and total floor area greater than 4200 m2. Temperature controlled storage outside of the scope of risk group WB.</p> <p>Service activities such as: Trading and bulk retail wholesalers with a storage height greater than 3.0 m. Supermarkets with shelving over 3.0 m in height. Exhibition, retail areas and trade fair space with a storage height greater than 3.0 m.</p>
	VP Vehicle storage and parking	<p>Vehicle parking – within a building or a separate building including: Car parking buildings. Vehicle parking or stacking within buildings. Goods vehicle parking. Service vehicle and unloading areas. Car storage warehouses.</p>

*Always refer back to the NZBC for the latest information.