

# AUSTRALIAN SLIP RESISTANCE STANDARDS BASED ON AS/NZS 4586

Source: CSIRO HB197 & Standards Australia AS/NZS 4586

## Pedestrian Flooring Selection Guide- Minimum Pendulum or Ramp Recommendations HB197 Table 3

LOCATION	PENDULUM	RAMP	ALTRO PRODUCT
Entry Foyers hotel, office, public buildings- wet	X	R10	All Altro products
Entry Foyers hotel, office, public buildings- dry	Z	R9	All Altro products
Shopping Centre- excluding food court	Z	R9	All Altro products
Shopping Centre- Food Court	X	R10	All Altro products
Internal Ramps, slopes (greater than 2 degrees)- dry	X	R10	All Altro products
Lift Lobbies above external entry level	Z	R9	All Altro products
Other separate shops inside shopping centres	Z	R9	All Altro products
Other shops with external entrances- entry area	X	R10	All Altro products
Fast food outlets, buffet food servery areas	X	R10	All Altro products
Hospitals and Aged Care facilities- dry areas	Z	R9	All Altro products
Hospitals and Aged Care facilities- ensuites	X	A or R10	All Altro products
Supermarket aisles except fresh food areas	Z	R9	All Altro products
Shop and Supermarket fresh fruit and vegetable areas	X	R10	All Altro products
Communal Changing Rooms	X	A	T20
Swimming Pool Surrounds and Communal Shower Rooms	W	B	T20
Toilet facilities in offices, hotels, shopping centres	X	R10	All Altro products
Undercover concourse areas of sports stadium	X	R10	All Altro products
Accessible internal stair nosings (dry)- handrails present	X	R10	All Altro products
Accessible internal stair nosings (wet)- handrails present	W	B or R11	T20 / KR11-20

## Classification Guide for Commercial & Industrial Areas HB197 Table 5

GENERAL WORK ROOMS AND WORK AREAS	RAMP	ALTRO PRODUCT
Entrance areas	R9	All Altro products
Stairs	R9	All Altro products
Social facilities (toilets, washrooms)	R10	All Altro products
<b>Production of Margarine, Edible Fats and Oils</b>		
Margarine Production and Packaging	R12	KR12-30
Cooking Oil production and filling of bottles	R12	KR12-30
<b>Milk Processing, cheese production</b>		
Fresh milk processing and butter production	R12	KR12-30
Cheese production, storage and packaging	R11	KR11-20/Maxis
Ice cream production	R12	KR12-30
<b>Chocolate and Confectionery production</b>		
Sugar processing	R12	KR12-30
Cocoa production	R12	KR12-30
Production of raw mixtures	R11	KR11-20/Maxis
Production of chocolate bars, eggs and confectionery	R11	KR11-20/Maxis
<b>Bakery Products</b>		
Dough preparation	R11	KR11-20/Maxis
Rooms in which mainly greasy or liquid mixtures are produced	R12	KR12-30
Washing-up rooms	R12	KR12-30
<b>Other wet areas used for food and drink production</b>		
Storage cellars	R10	All Altro products
Beverage bottling, fruit juice production	R11	KR11-20/Maxis
<b>Catering Establishments</b>		
Hotel and Restaurant Kitchens-up to 100 meals a day	R11	KR11-20/Maxis
more than 100 meals a day	R12	KR12-30
Kitchens Catering for Homes, Schools and Sanatoriums	R11	KR11-20/Maxis
Kitchens Catering for Hospitals, Clinics	R12	KR12-30
Large kitchens catering for industrial and Uni canteens, contract catering	R12	KR12-30
Fast food kitchens, snack bars	R12	KR12-30
Kitchens for heating up frozen meals	R10	All Altro products
Coffee and Tea Kitchens, Kitchens in guest houses	R10	All Altro products
Washing-up Rooms- for Hotel & Restaurant Kitchens	R12	KR12-30
- for kitchens catering for Homes, Schools & Sanatoriums	R11	KR11-20
- for kitchens catering for Hospitals, Clinics	R12	KR12-30
Dining Rooms, Guest Rooms, Canteens including serving counters	R9	All Altro products

LOCATION	RAMP	ALTRO PRODUCT
<b>Cold stores, deep freeze stores</b>		
For unpacked goods	R12	KR12-30
For packed goods	R11	KR11-20/Maxis
<b>Sales outlets, shops</b>		
Reception of goods, meat	R11	KR11-20/Maxis
Reception of goods, fish	R11	KR11-20/Maxis
Serving counters for unpacked meat and sausages	R11	KR11-20/Maxis
Serving counters for packed meat and sausages	R10	All Altro products
Serving counters for fish	R12	KR12-30
Meat preparation room	R12	KR12-30
Florists shops	R11	KR11-20/Maxis
Sales areas with stationary ovens	R11	KR11-20/Maxis
Sales areas with stationary deep fryers or grills	R12	KR12-30
Shops, customer accessible areas	R9	All Altro products
Preparation areas for food for self-service shops	R10	All Altro products
Cash register areas, packing areas	R9	All Altro products
Sales areas for unpacked bread, cakes and pastries	R10	All Altro products
Sales areas for unpacked cheese and cheese products	R10	All Altro products
<b>Health Service Rooms</b>		
Disinfection Rooms- wet	R11	KR11-20/Maxis
Sterilisation Rooms	R10	All Altro products
Excrement disposal Rooms, unclean nursing work rooms	R10	All Altro products
Pathological facilities	R10	All Altro products
Hydrotherapy rooms, medical bath areas	R11	KR11-20/Maxis
Wash rooms of operating theatres, plastering rooms	R10	All Altro products
Sanitary rooms, ward bath rooms	R10	All Altro products
Rooms for medical diagnostics and therapy, massage rooms	R9	All Altro products
Operating theatres	R9	All Altro products
Wards with Hospital rooms and corridors	R9	All Altro products
Medicine practices, day clinics	R9	All Altro products
Pharmacies	R9	All Altro products
Laboratories	R9	All Altro products
Hairdressing Salons	R9	All Altro products
<b>Laundry</b>		
Rooms with washing machines for washing laundry with water	R11	KR11-20/Maxis
Ironing rooms	R9	All Altro products
<b>Storage Areas</b>		
Store rooms for oils and fats	R12	KR12-30
<b>School and Kindergartens</b>		
Entrance halls, corridors, assembly halls	R9	All Altro products
Classrooms, group rooms	R9	All Altro products
Stairs	R9	All Altro products
Toilets, washrooms	R10	All Altro products
Instructional Kitchens in schools	R10	All Altro products
Kitchens in Kindergartens	R10	All Altro products
Machine rooms for woodworking	R10	All Altro products
Special rooms for handicrafts	R10	All Altro products

## Classification Guide for Public Wet Foot Areas HB197 Table 4

AREAS OF APPLICATION	CLASS	MIN ANGLE	ALTRO PRODUCT
Barefoot passages	A	12 degrees	T20
Individual and Communal changing and locker rooms	A	12 degrees	T20
Barefoot passages not classified in Group A	B	18 degrees	T20
Shower rooms	B	18 degrees	T20
Pool surrounds	B	18 degrees	T20
Stairs leading into water with a maximum width of 1m and handrails on both sides	B	18 degrees	T20
Ladders and stairs outside pool area	B	18 degrees	T20