

Linear Drainage Slip Ratings by Grate Style

Standard Wedge Wire

(3mm wire, 5mm gap)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	P2	R9	✓	☒

Architectural Wedge Wire

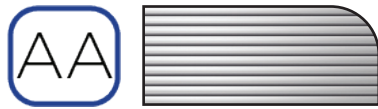
(2mm Wire, 2.5mm gap)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
2.5mm	P2	R9	✓	✓

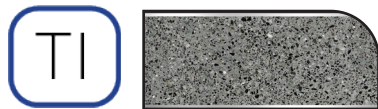
Wave Grate

(Anodized Aluminium)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
2.7mm	P2	R9	✓	☒

Tile Insert



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	As per selected tile	As per selected tile	✓	☒

Punched Grate Styles



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm PS - 4mm	N/A*	N/A*	✓	☒

Flat Top Grate



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	N/A*	N/A*	✓	☒

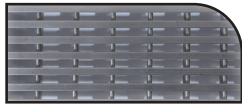
* Punched style grates (PS, PPS, PAS, MND) and Flat Top (FT) grates are not slip rated. These styles are more suited to domestic applications like bathrooms or external balconies that don't require a slip rating.

**For both 100mm and 65mm wide grates, a person's footprint would generally be larger than the grate width, meaning that the surrounding walking surface having an appropriate slip resistance would be much more important and would effectively cover the resistance of the grate.

Linear Drainage Slip Ratings by Grate Style

Commercial Wedge Wire

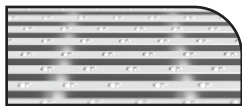
(5mm wire, 5mm gap)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	P3	R10	✓	☒

GRATE GRIP Standard

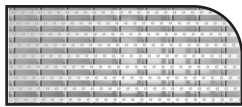
(5mm wire, 5mm gap, soft dimple)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	P4	R11	✓	Available as customisation

GRATE GRIP Advanced

(5mm wire, 5mm gap, sharp dimple)



Nominal Gap	Wet Pendulum Test Rating	Incline Platform Test Rating	AS1428 Compliant	Anti-Ligature Compliant
5mm	P5	R12	✓	Available as customisation

Linear Drainage Grate Styles by Slip Rating

Test	Wet Pendulum Test				
		P2	P3	P4	P5
Incline Platform Test	R9	TR, AR, AA			
	R10		CR		
	R11			GRATE GRIP Standard	
	R12				GRATE GRIP Advanced

Note:

R9 will be suitable for any rating of R9 or lower. R10 / P3 will need to be 5wire x 5 gap CR style, R11 will require GRATE GRIP standard, - R12 will require GRATE GRIP advanced

P2 will be suitable for any rating of P2 or lower. R10 / P3 will need to be 5wire x 5 gap CR style, P4 will require GRATE GRIP standard, - P5 will require GRATE GRIP advanced

Linear Drainage Grate Suitability by Application

Category	Location / Description	Wet Pendulum test	Inclining Platform test	Grates meeting/exceeding slip requirements
Stair treads & landings (NCC Vol 1 & 2)	Stair treads and a stairway landing — Dry	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Stair treads & landings (NCC Vol 1 & 2)	Stair treads and a stairway landing — Wet	P4	R11	Grate grip standard, Grate grip advanced, Ti*
Nosings for stair treads & landings (NCC Vol 1 & 2)	Dry stair tread, a stair non-skid nosing strip and a stairway landing	P3	—	CR, Grate grip standard, Grate grip advanced, Ti*
Nosings for stair treads & landings (NCC Vol 1 & 2)	Wet stair tread, a stair non-skid nosing strip and a stairway landing	P4	—	Grate grip standard, Grate grip advanced, Ti*
Ramps (NCC Vol 1 & 2)	Ramps not steeper than 1:14 — Dry	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Ramps (NCC Vol 1 & 2)	Ramps not steeper than 1:14 — Wet	P4	R11	Grate grip standard, Grate grip advanced, Ti*
Ramps (NCC Vol 1 & 2)	Ramps steeper than 1:14 up to but not steeper than 1:8 — Dry	P4	R11	Grate grip standard, Grate grip advanced, Ti*
Ramps (NCC Vol 1 & 2)	Ramps steeper than 1:14 up to but not steeper than 1:8 — Wet	P5	R12	Grate grip advanced, Ti*
External Pavements & Ramps	External ramps incl. sloping driveways, footpaths etc., steeper than 1:14	P5	R12	Grate grip advanced, Ti*
External Pavements & Ramps	External ramps incl. sloping driveways, foot paths etc., under 1:14; external sales areas; external carpark areas; external colonnades; walkways; pedestrian crossings; balconies; verandas; carports; driveways; courtyards; roof decks	P4	R11	Grate grip standard, Grate grip advanced, Ti*
External Pavements & Ramps	Undercover car parks	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Entries & access areas (internal lift lobbies etc.) — Wet area	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Entries & access areas (internal lift lobbies etc.) — Transitional area	P2	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Entries & access areas (internal lift lobbies etc.) — Dry area	P1	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Toilet facilities in offices, hotels & shopping centres	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Hotel apartment bathrooms, en suites & toilets	P2	A (R10)	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Hotels, Offices, Public Buildings, Schools & Kindergartens	Hotel apartment kitchens & laundries	P2	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Supermarkets & Shopping Centres	Fast food outlets, buffet services, food courts & fast-food dining areas	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*

* Ti (tile insert) suitability is determined by the slip rating of tile surface.

Linear Drainage

Slip Ratings by Grate Style

Category	Location / Description	Wet Pendulum test	Inclining Platform test	Grates meeting/exceeding slip requirements
Supermarkets & Shopping Centres	Shop & supermarket fresh fruit & veg areas	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Supermarkets & Shopping Centres	Shop entry areas with external entrances	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Supermarkets & Shopping Centres	Supermarket aisles (except fresh fruit areas)	P1	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Supermarkets & Shopping Centres	Other separate shops inside shopping centres – wet	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Supermarkets & Shopping Centres	Other separate shops inside shopping centres – dry	P1	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*
Loading Docks, Commercial Kitchens, Cold Stores, Serving Areas	Loading docks undercover & commercial kitchens	P5	R12	Grate grip advanced, Ti*
Loading Docks, Commercial Kitchens, Cold Stores, Serving Areas	Serving areas behind bars; cold stores & freezers	P4	R11	Grate grip standard, Grate grip advanced, Ti*
Swimming Pools & Sporting Facilities	Swimming pool ramps & stairs leading to water	P5	C (R12)	Grate grip advanced, Ti*
Swimming Pools & Sporting Facilities	Swimming pool surrounds & communal shower rooms	P4	B (R11)	Grate grip standard, Grate grip advanced, Ti*
Swimming Pools & Sporting Facilities	Communal changing rooms	P3	A (R10)	CR, Grate grip standard, Grate grip advanced, Ti*
Swimming Pools & Sporting Facilities	Undercover concourse areas of sports stadiums	P3	R10	CR, Grate grip standard, Grate grip advanced, Ti*
Hospitals & Aged Care Facilities	Bathrooms & en suites in hospitals and aged care	P3	B (R11)	CR, Grate grip standard, Grate grip advanced, Ti*
Hospitals & Aged Care Facilities	Wards & corridors in hospitals and aged care	P2	R9	AR, TR, CR, AA, Grate grip standard, Grate grip advanced, Ti*

* Ti (tile insert) suitability is determined by the slip rating of tile surface.

