

CONCEPT+ SERIES CONCEPT+ TIMBER

RECOMMENDED APPLICATIONS



Timber Veneered Surfaced Layer

Urban Core Panel

Reinforcing Steel Backplate



SYSTEM NAME

Concept+ Timber Heavy Grade 4.5kN

DESCRIPTION

The Concept + Timber is a finished system providing strong, durable panels with the inherent character, warmth and beauty of timber flooring. Healthy, natural and easy to maintain, these timber panels epitomize the luxury of natural timber floors whilst allowing the functionality of an access floor with 100% underfloor accessibility.

The timber species are prefinished into a 600x600mm access floor panel, ensuring that your design maintains functional accessibility to the services in the underfloor space such as power, data, fire and hydraulics.

COMPLIANT STANDARDS

Australian Standard AS4154/AS4155
Australian Standard AS1170
NATA Testing Certification
ISO9239-1-2003
EN12825-2001
DIN4102-1-1998

CORE

Urban Panel

FINISH

Factory - Finish with an R10 lacquer.

CONSTRUCTION

The panels consist of a lower sheet of 0.5mm galvanized steel that is adhered to the urban panel core and topped with the nominated finished timber.

TOLERANCE

±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel

CONNECTION

The panel is gravity held on top of the stringer assembly.

SIZE

600mm x 600mm

DEPTH

42mm

PERFORMANCE TO STANDARDS GUIDE PER AS4154 – 1993 AUSTRALIAN STANDARD – GENERAL ACCESS FLOORS

| Load Level | Panel (kg) | System (kg/m ² at 150mm FFH) |
|---|--|---|
| 4.5kN Heavy Grade | 18 | 54.1 |
| STATIC PERFORMANCE (kN) | | |
| Concentrated | Impact | Ultimate |
| 4.5 | 0.4 | 13.5 |
| DYNAMIC PERFORMANCE (kN) - Passes | | |
| 10 passes (wheel size 75x25mm) | 10,000 passes (wheel size 150x50mm) | 40,000 passes (wheel size 200x75mm) |
| 4.4 | 3.3 | 2.25 |
| <p>Safety Factor: Panels must provide a minimum safety factor of three (3) times the concentrated load specified above in accordance with Australian Standards AS4154-1993</p> | | |



PEDESTAL SIZE

100mm x 100mm base plate

PEDESTAL CONSTRUCTION

Hot dipped galvanised steel pedestal base and rod. Steel head assembly with ABS locating gasket.

PEDESTAL LOCKING

The pedestals will be provided with an adjusting and locking nut to maintain the assembly at a selected height, which requires a deliberate action to change the height setting, and which prevents vibration displacement.

PEDESTAL FINISH

Hot dipped galvanized finish.

PEDESTAL CONNECTION

The panel is gravity held on top of the stringer assembly.

FINISHED FLOOR HEIGHT (FFH)

The finished floor height of the access floor is measured from the sub floor to the top surface of the installed access floor.

STRINGER SIZE

31mm x 21mm x 1.2mm x 600mm

STRINGER CONSTRUCTION

Rectangular steel welded tube with 1.6mm sponge rubber foam.

STRINGER FINISH

Hot dipped galvanized finish.

STRINGER CONNECTION

The stringer is screw fixed to the pedestal.

PERFORMANCE OF SURFACE FINISH PER GB/T 18103-2013 & GB 18580-2017

| PROPERTIES | REQUIREMENTS | RESULT | |
|-----------------------------------|--|-------------------------------|------|
| MOISTURE CONTENT | 5-14% | 10.3 | Pass |
| IMPREGNATED PEEL | The cumulative length of any of either side of a plastic layer does not exceed 1/3 of the length of the layer. It shall be defined as qualified when 5 out of 6 specimens are qualified. | | Pass |
| STATIC BENDING STRENGTH | Unit MPa Mean ≥30 Min ≥24 | Mean ≥56 Min ≥50.4 | Pass |
| MODULUS OF ELASTICITY | Unit MPa ≥ 4000 | 6080 | Pass |
| ABRASION RESISTANCE OF SURFACE | Unit g/100r ≤ 0.15 and paint film is not worn through. | 0.07, paint film not worn out | Pass |
| POLLUTION RESISTANCE OF SURFACE | No pollution mark | No pollution mark | Pass |
| FORMALDEHYDE EMISSION | Unit mg/m ³ E1: ≤0.124 | 0.015 | Pass |
| SLIP RATING PER DIN 51130:2014-02 | | Classification: R10 | |
| SLIP RATING PER AS 4586-2013 | | Classification: P3 | |

CARE & MAINTENANCE

CLEANING

Dust and grit should be removed daily from all timber floors using an antistatic mop. A damp mop can be used once a month using just mist water or a compatible Bona cleaning product. Avoid wet mopping and steam mops to extend the life of the floor's coating.

In hospitality or other such environments, all spills must be cleaned as soon as possible to avoid damage to the timber surface. Similarly, in such areas where spills or concentrated traffic might be expected, preventative measures such as additional mats should be considered to reduce the impact upon the floor.

Follow this simple cleaning regimen combined with using felt pads on furniture feet and mats at entryways to avoid deep scratches.

RESTORATION

When it is believed that the surface of the floor has become worn, or there are frequent deep gouges, then it is necessary to refinish the floor. This can be achieved by simply sanding the floor back to an even finish using a 150-grit abrasive, taking care not to breach the finished surface, before applying a further coating of Bona Naturelle.