

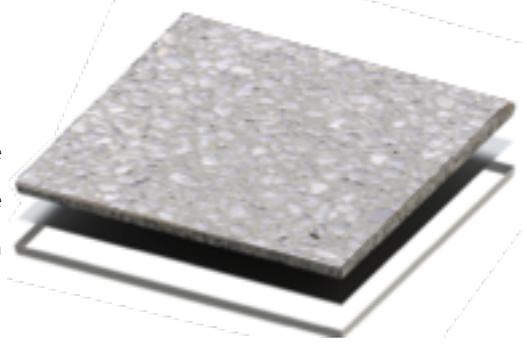
# CONCEPT+ SERIES CONCEPT+ TERRAZZO

## RECOMMENDED APPLICATIONS



Galvanized Steel Reinforcing Backplate

ABS Edge Trim



|   |   |
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| <p><b>SYSTEM NAME</b><br/>Concept+ Terrazzo Heavy Grade 4.5kN</p> <p><b>DESCRIPTION</b><br/>ASP Access Floors prefinished Terrazzo Panels in the Concept + Series provides a comprehensive range to create stunning design solutions.<br/><br/>Concept + Terrazzo is a finished system offering the flexibility to create stunning design solutions. Beautiful, durable and easy to maintain, whilst ensuring functional accessibility to the services in the underfloor space such as power, data, fire and hydraulics.<br/><br/>Opulent 20mm thick Terrazzo is 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.</p> <p><b>COMPLIANT STANDARDS</b><br/>Australian Standard AS4154/AS4155<br/>Australian Standard AS1170<br/>NATA Testing Certification<br/>ISO9239-1-2003<br/>EN12825-2001<br/>EN 14411:2016 Tiles<br/>DIN4102-1-1998</p> | <p><b>FINISH</b><br/>Honed P3</p> <p><b>CONSTRUCTION</b><br/>The panels consist of a lower sheet of reinforcing 0.5mm galvanised steel that is adhered to the underside of the terrazzo tile and finished with an ABS edge trim.</p> <p><b>TOLERANCE</b><br/>±0.25mm and a flatness tolerance of ±0.5mm measured on a diagonal across the top of the panel</p> <p><b>CONNECTION</b><br/>The panel is gravity held on top of the stringer assembly.</p> <p><b>SIZE</b> 600mm x 600mm</p> <p><b>DEPTH</b> 20mm Tile with 0.5mm Galvanised Steel Backplate</p> <p><b>SEALING</b><br/>Terrazzo panels are not factory sealed but require post installation sealing. Recommend sealants are Aquamix Ultrasolv or equivalent.</p> |
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## PERFORMANCE TO STANDARDS GUIDE PER AS4154 – 1993 AUSTRALIAN STANDARD – GENERAL ACCESS FLOORS

| Load Level  | Panel (kg)                          | System (kg/m <sup>2</sup> 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><b>Safety Factor:</b> Panels must provide a minimum safety factor of three (3) times the concentrated load specified above in accordance with Australian Standards AS4154-1993</p> |                                     |   |



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| <p><b>PEDESTAL SIZE</b><br/>100mm x 100mm base plate</p> <p><b>PEDESTAL CONSTRUCTION</b><br/>Hot dipped galvanised steel pedestal base and rod.<br/>Steel head assembly with ABS locating gasket.</p> <p><b>PEDESTAL LOCKING</b><br/>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.</p> | <p><b>PEDESTAL FINISH</b><br/>Hot dipped galvanised finish.</p> <p><b>PEDESTAL CONNECTION</b><br/>The panel is gravity held on top of the stringer assembly.</p> <p><b>FINISHED FLOOR HEIGHT (FFH)</b><br/>The finished floor height of the access floor is measured from the sub floor to the top surface of the installed access floor.</p> | <p><b>STRINGER SIZE</b><br/>31mm x 21mm x 1.2mm x 600mm</p> <p><b>STRINGER CONSTRUCTION</b><br/>Rectangular steel welded tube with 1.6mm sponge rubber foam.</p> <p><b>STRINGER FINISH</b><br/>Hot dipped galvanised finish.</p> <p><b>STRINGER CONNECTION</b><br/>The stringer is screw fixed to the pedestal.</p> |
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**PERFORMANCE OF SURFACE FINISH PER BS EN 1378-1:2004**

| PROPERTIES                                      | REQUIREMENTS | BLACK TERRAZZO RESULT |      | WHITE TERRAZZO RESULT |      |
|---|--------------|-----------------------|------|-----------------------|------|
| CAPILLARY WATER ABSORPTION (g.cm <sup>2</sup> ) | 0.4 max      | 0.25                  | Pass | 0.22                  | Pass |
| WATER ABSORPTION (% by mass)                    | 8 max        | 5.3                   | Pass | 4.9                   | Pass |
| BREAKING LOAD & STRENGTH                        |              |                       | Pass |                       | Pass |
| SOAKED BREAKING LOAD (kN)                       |              | 2.5                   | Pass | 2.0                   | Pass |
| MEAN SOAKED STRENGTH (MPa)                      |              | 6.2                   | Pass | 5.5                   | Pass |
| ABRASION RESISTANCE (Ha)                        | 20 min       | 40                    | Pass | 24                    | Pass |
| SCRATCH HARDNESS (Mohs)                         |              |                       | Pass |                       | Pass |
| MEAN SCRATCH HARDNESS MATRIX                    |              | 4.3                   | Pass | 3.3                   | Pass |
| MEAN SCRATCH HARDNESS AGGREGATE                 |              | 5.0                   | Pass | 5.7                   | Pass |
| OIL WET RAMP TEST PER AS/NZS 4586:2004          |              | Honed R9              |      | Honed R9              |      |

**CARE & MAINTENANCE**

Maintenance should be carried out regularly to retain the appearance and durability of the floor. The floorcovering should be maintained with regular clean, non-treated dry dust mop. You should not use sweeping compounds that contain oil as these will penetrate your terrazzo floors and permanently discolour it. These compounds also contain sand that will damage the material.

Spills from acidic sources such as carbonated beverages and fruit juices can easily leave marks so to avoid doing so, immediately wipe acid spill with a wet cloth.

**SEALING**

Terrazzo requires the application of a post installation impregnating sealer. Acting as an extra precaution, sealants will help repel against stains and etching and assist in your stone's longevity.

Terrazzo should be cleaned with an alkaline cleaner and degreaser before it is sealed. Upon sealing, the floors should only be cleaned with a neutral pH cleaner; all-purpose cleaners that contain crystallizing salts, alkali, or acids should be avoided, as well as those cleaners that are inorganic and water soluble.

Reseal in high use areas every year, and every 3-5 years in medium use areas.