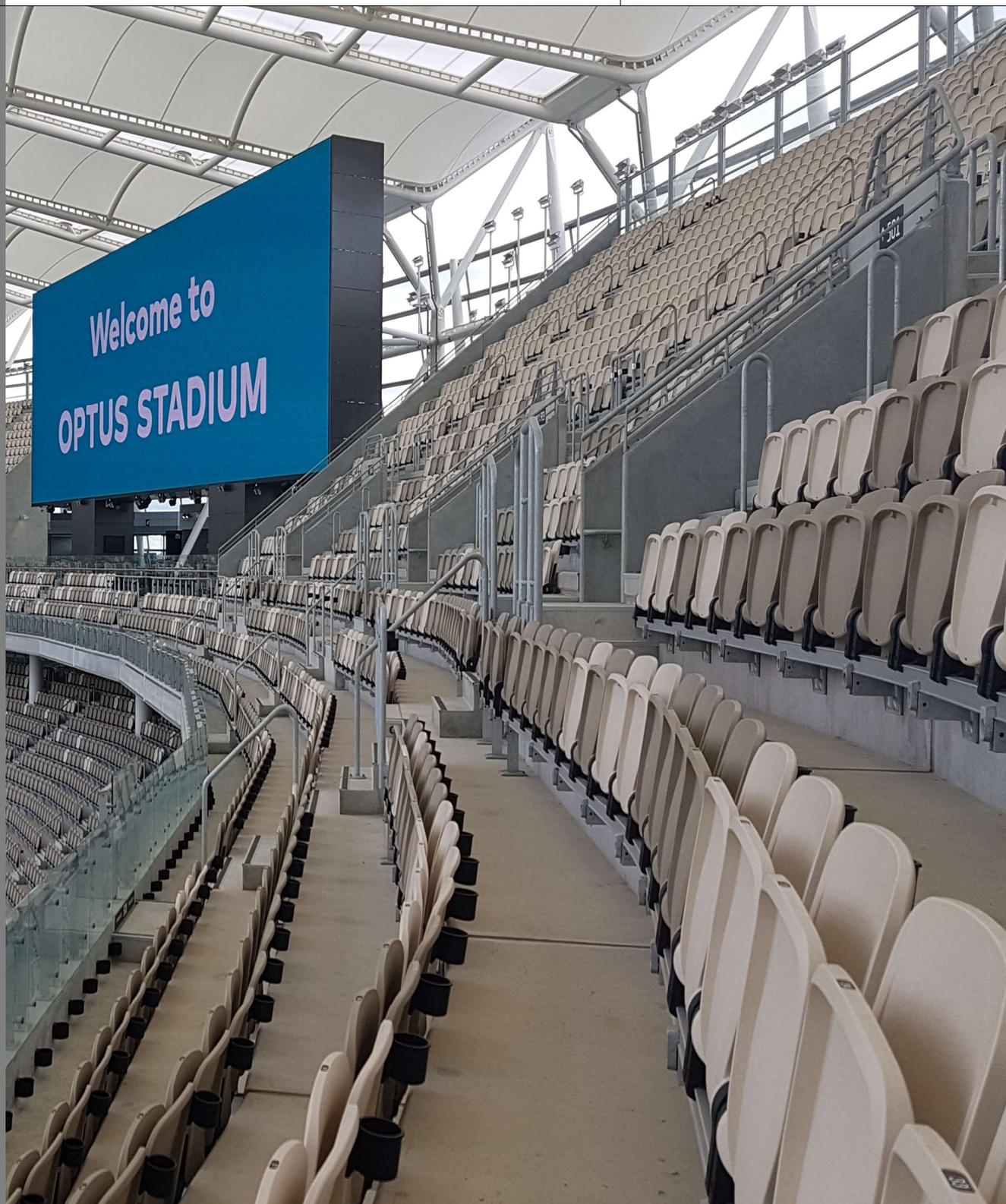


bluecube<sup>3</sup>

centura



**centura – stadium and arena seating**



The **centura** range is applicable to both stadiums and arena environments. The unit comprises of a seat and backrest moulded from premium grade polypropylene co-polymer. Gas injection moulding technology is used to create a ridged perimeter to the seat and backrest components which provides unparalleled strength and durability.

Spring housings and backrest supports are injection moulded from glass reinforced polyamide, and the assembly is designed so that there is no visible fixing hardware.

**centura** has one of the most compact 'envelopes' on the market ensuring the maximum egress space between rows of seats.

The seat modules are attached to the extruded aluminium rail profile using a simple clamp system, meaning seats can be spaced out evenly during installation before being tightly secured.

## **centura – *the seat module***



Are all rail mounted seats the same? Our competitors would like you to believe so! [bluecube](#) seat modules are fitted to the same rail system, meaning that any [bluecube](#) seat can be interchanged anywhere in the facility, making upgrades and future proofing as simple as switching out the seats.

Rather like the chassis of a car, the sub-structure of a seating system is vitally important, our system is built on this. Some 20 years of experience and continuous improvement has resulted in, quite simply; the best. Our extruded aluminium rail profile is constrained into support fabrications on all four faces by a galvanised steel clamp. The result? Complete stability; the most solid un-burstable high load connection in the business..

### ***centura – the rail system***



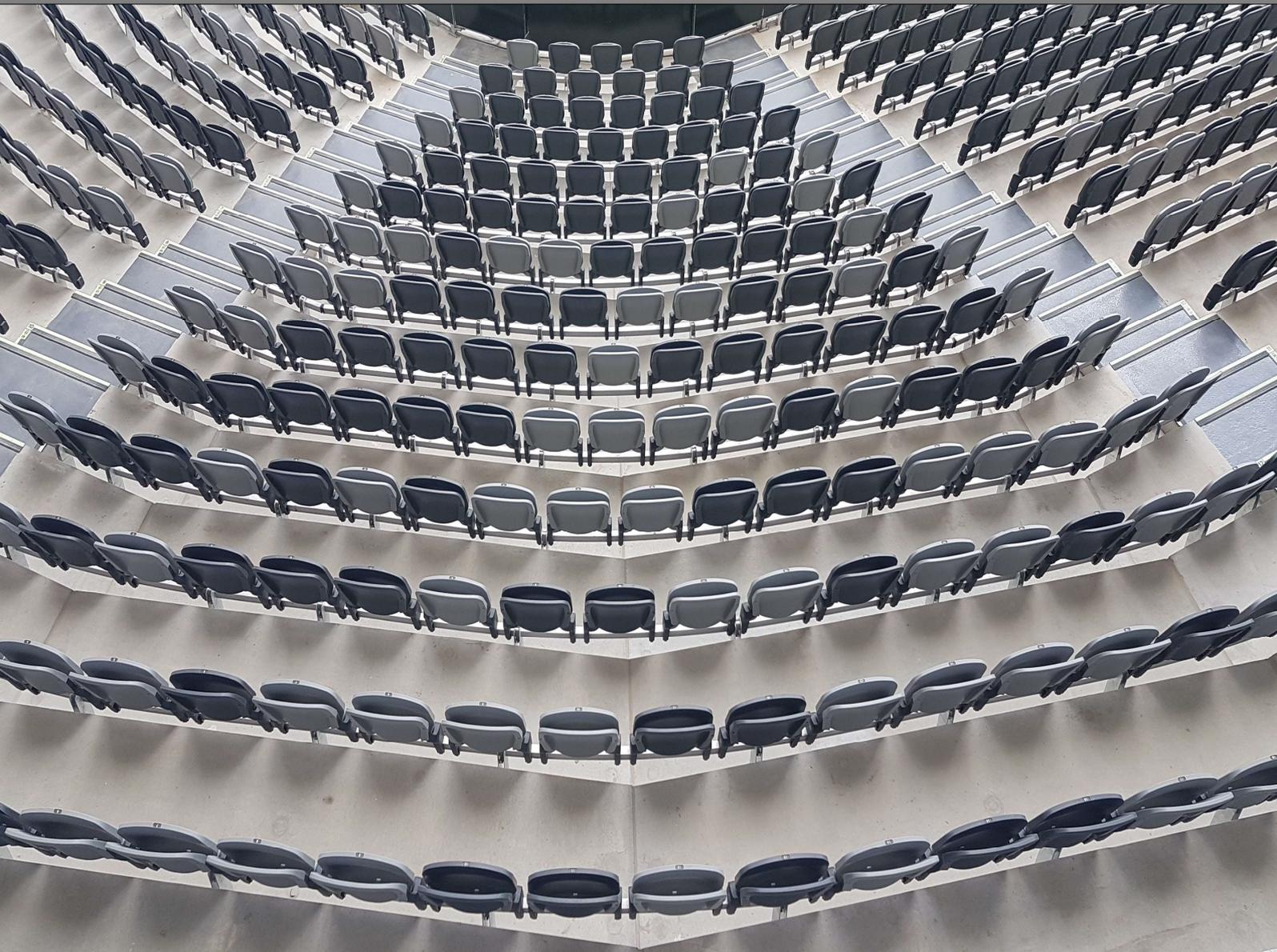
Stadium terraces are typically constructed from sections of pre-cast concrete. From a large oval shaped bowl to a simpler rectangular bowl connected in the corners - the sections are 'abutted' at 'obtuse' angles resulting in ugly 'scarring' where the seating rails must be cut to change angle.

[bluecube](#) seating rail is the only system on the market that can be formed into a curve on the job site.

This has the advantage that the rail does not have to be installed in shorter straight sections, which in turn allows seat modules to be installed with beautifully even spaces between them, the result can be seen in the picture below.



**centura – *curve rail***

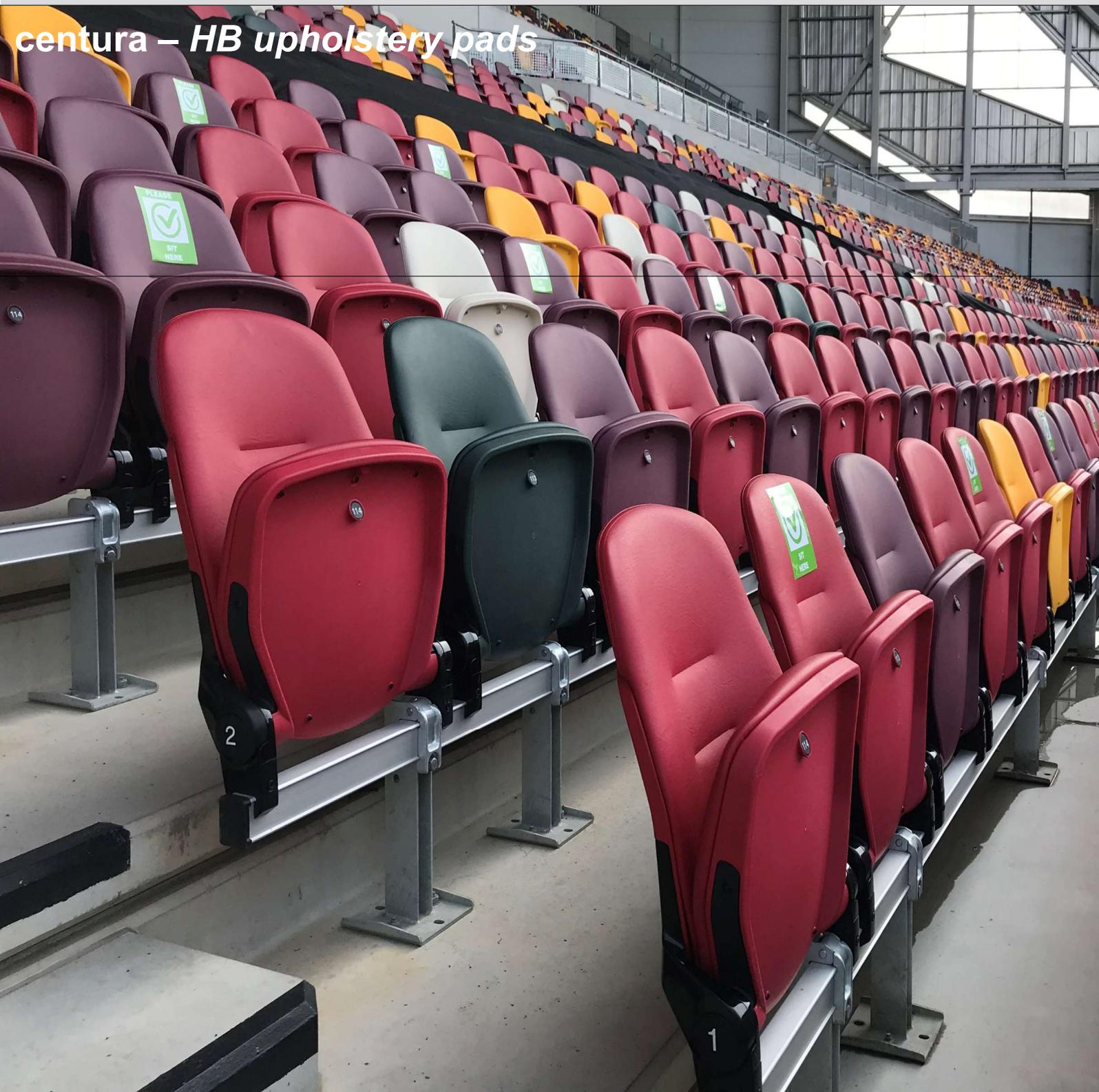


**centura** padded seat modules are available in two different back heights, standard and *HB* (high back). Upholstery pads are available to meet all international fire codes and are produced in a marine grade outdoor vinyl that is colour matched to our standard colour palate.



**centura – upholstery pads**

Facility's often require several hierarchy's of seating differentiation to maximise ticket revenues, or add value to season ticket or corporate packages. **centura HB** upholstery offers a big shift up in comfort for a relatively small upgrade cost, used in conjunction with deluxe arms its only one step below our [luxx plus](#) range.



**centura** has a choice of two armrest options, basic and deluxe . Both options are attached independently to the rail as opposed to the seat module. This system has the advantage that armrests can be positioned exactly equal between adjacent seat modules no matter what seat spacing is required.

Moulded from glass filled nylon polymer our basic arm is exactly that. It serves as a simple low cost fixed armrest.

### **centura – *basic armrest***





deluxe is a more substantial armrest, its fold back function allows it to be used on telescopic platforms, folding automatically on contact with the deck.

The armrests folding function is also useful in fixed seating applications. It can be used to facilitate easier access in amenity areas, or allow them to be 'folded back' to improve egress, especially when fitted with a front of arm cupholder.

## **centura – *deluxe armrest***

The deluxe arm can also be upgraded from the standard polymer option to include wood or upholstered caps.

[scribe](#) writing tablet arms are also available which are often used in temporary media positions.





## centura – *anti vandal package*

### *Johan Cruyff Arena, The Netherlands*

[bluecube](#) stresses that our standard seat well exceeds the severest of industry standards for strength and durability. We also engage with our customers to determine if, and where, pockets of extreme abuse are known to occur. Areas behind goals in 'away' ends are typical hot spots. In this way we have worked with clubs like Ajax to ensure that seats and under structure are specified with the 'anti-vandal' package.

British standards for seat durability do factor in abuse, however in some facilities there are 'hot spots' where it is unrealistic to expect those recognised standards to encompass the levels of malicious abuse metered out in group fanaticism.

Our **anti-vandal package** is an optional upgrade to key components of our standard seat and installation hardware that is only recommended in fanatical 'hot spots'.

When terrace riser heights increase to 500mm or above, some patrons and facilities managers have safety concerns. Western Sydney Stadium had these concerns, so [bluecube](#) developed our **centura** line to include a backrest high enough to create a physical and psychological safety barrier, the **centura super rise**

The effect of increasing back heights places demands on both the seat and the support structure, this is overcome by an anti vandal upgrade as standard on **centura super rise**.



**centura – super rise**

***Western Sydney Stadium, centura super rise backrests***



Traditional polymer and even upholstered seats with vinyl coverings can be very uncomfortable in hot climates, sweat soaked clothes are inevitable when seated on non breathable surfaces on a hot day.

**airo** has been developed to eliminate this problem, keeping you cool and dry even on the hottest day in a entertainment venue.

**airo** seat and backrest mesh is breathable, allowing air to pass through preventing perspiration between the body and a plastic surface.

introducing centura **airo**

the general admission air cooled experience





Developed from our **centura** seat, **airo** borrows the same engineering principles that have well proven durability in many of the worlds premium venues. Tested to the exact same standards as its polymer forerunner, and utilising the exact same rail system and under structure, it is a new product with a reassuring history.

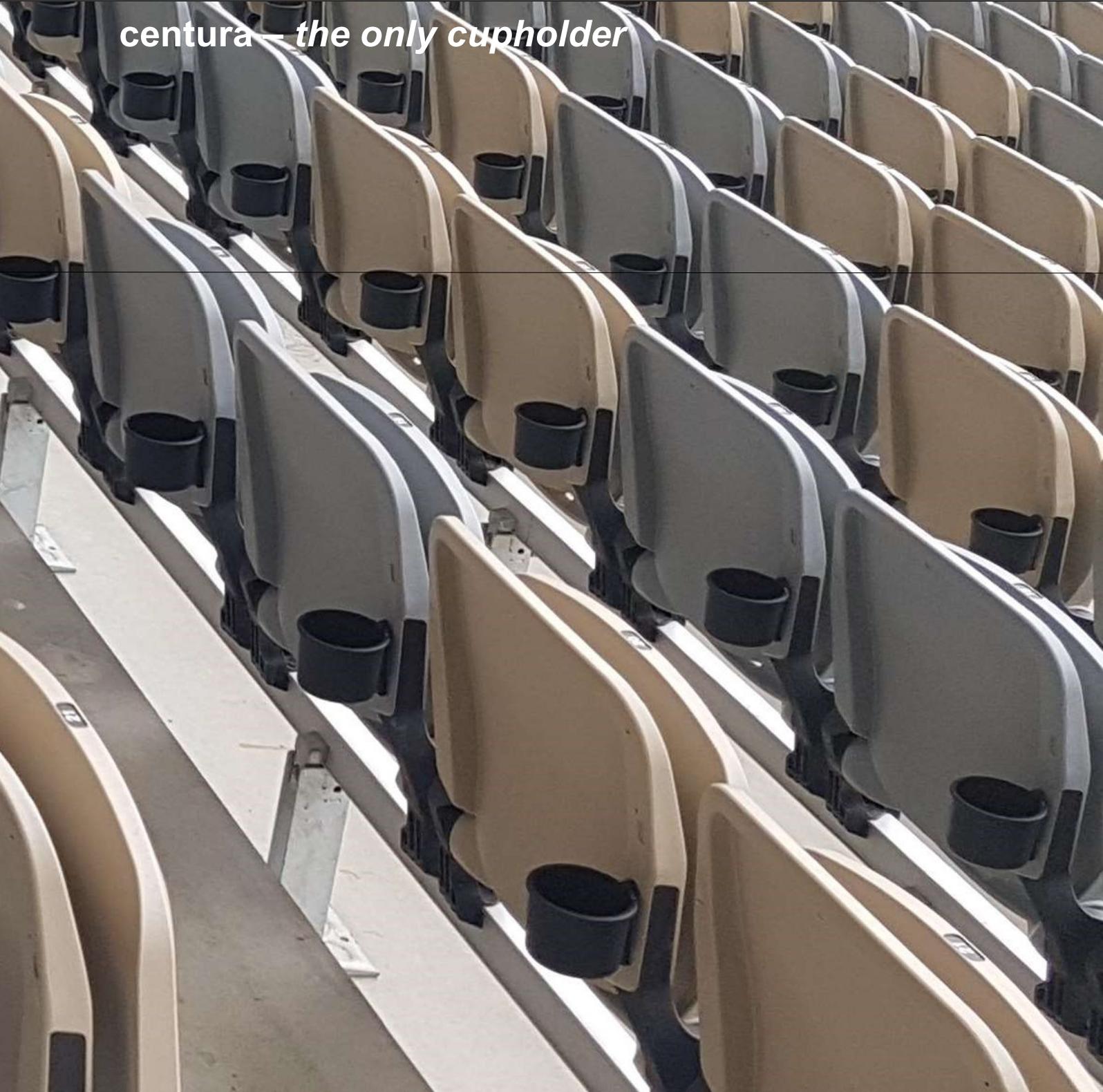
**airo** mesh is formulated for extreme outdoor conditions. Manufactured from PVC by world leader [Serge Ferrari](#), the [Batyline](#) mesh fabric has a 30 year proven track record in outdoor furniture such as sunbeds.

**airo** mesh membrane is attached to the seat and backrest support frames using our patented closure system, which unlike our competitors does not employ the use of glues which can fail and cannot be separated, whereas **airo** makes recycling possible!

The only cupholder that's pretty much indestructible, and won't leave your patrons with a bruised leg as an overriding memory of what was an otherwise great event experience.

Our cupholders are moulded from a semi ridged polymer and designed to be – yes, as close as it gets to indestructible! Cup holders tend to intrude somewhat prominently into the egress space making them vulnerable to being kicked and very easy to bump into.

*centura – the only cupholder*



## Our quality policy.

Our policy on product quality is one of continuous improvement, we exceed the highest international industry standards which serve only as a recognised industry bench mark

Independent tests are no substitute for the 20 years of empirical test data gathered from completed stadiums and arenas around the world. We at [bluecube](#) leverage this knowledge and data to raise our brand identity. Through understanding the 'cost of quality' we strive to be recognised as the best.

### Strength & Durability

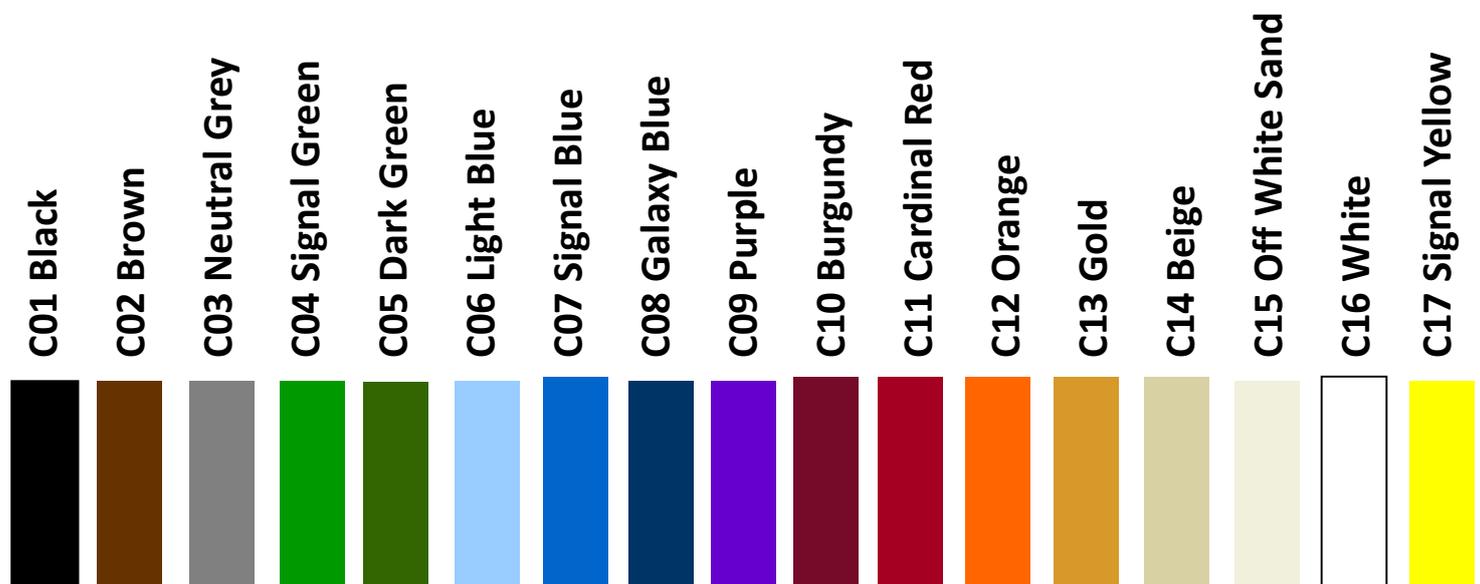
**centura** seat modules and rail support structure meet the requirements BS EN 12727 test level 4.

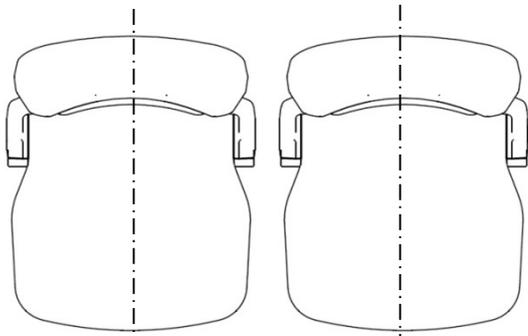
### Fire Resistance

**centura** seat modules meet the requirements BS5852 Crib 5.

### Weathering

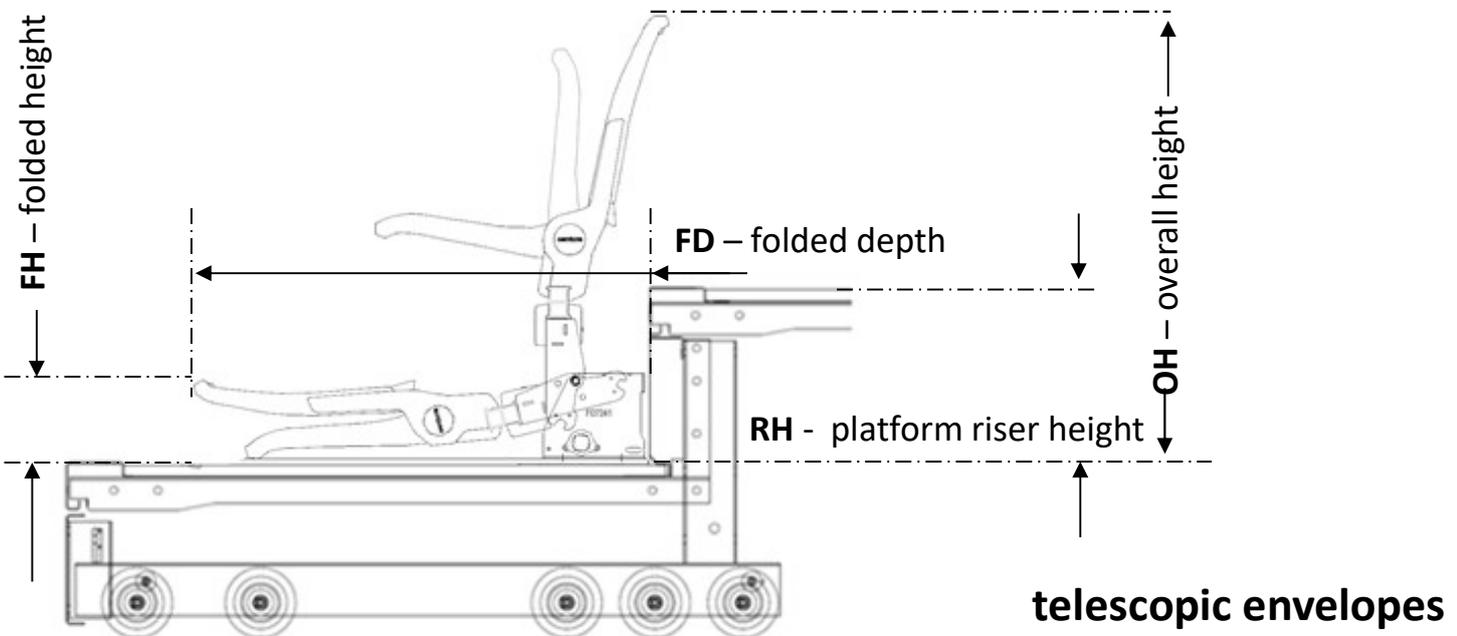
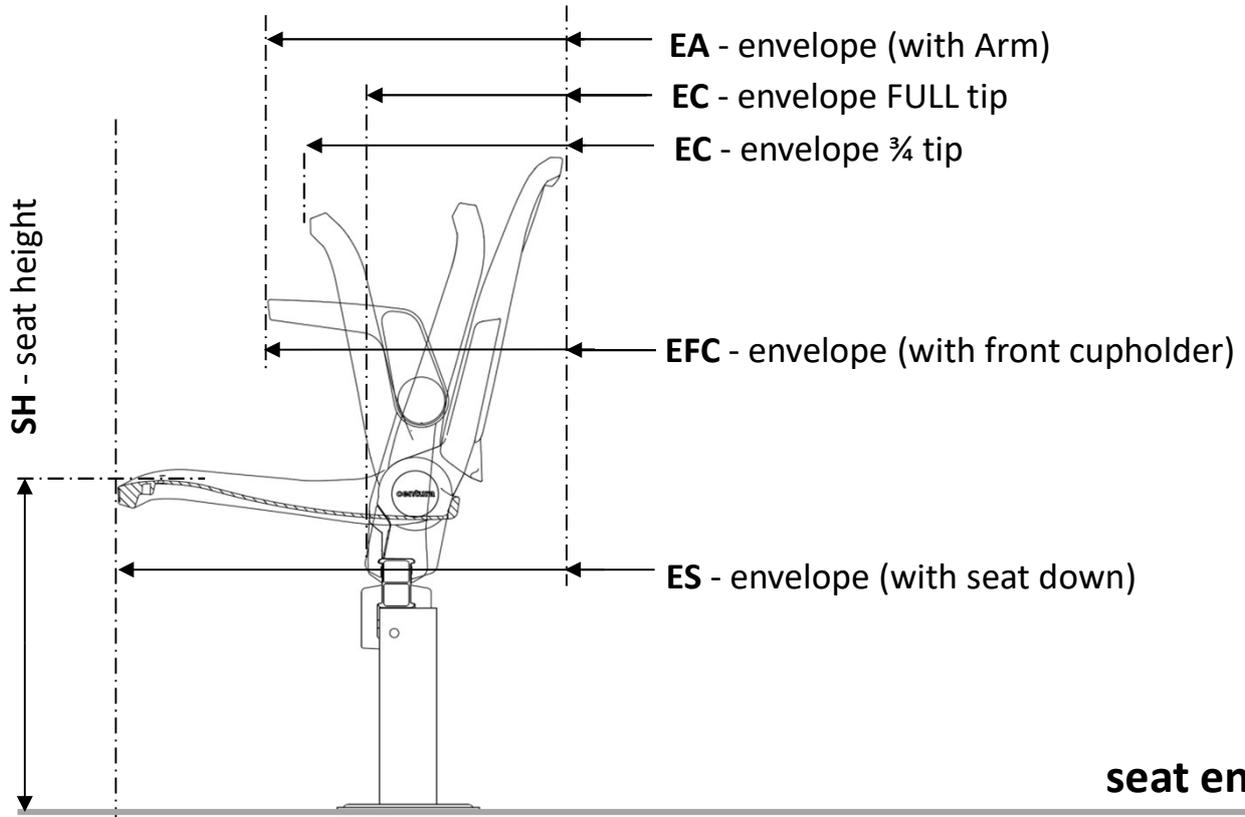
**centura** 17 standard plastic colours are tested in accordance with BSEN ISO4892-1 & 2 – Xenon Arc Testing 'Methods Of Exposure To Laboratory Light Sources'





### seat centres ( spacing)

- ← SC - min spacing, seat centres chair only
- ← SCSA - min spacing, seat centres shared armrest
- ← SCFC - min spacing, seat centres front cup holder
- ← SCWT - min spacing, seat centres **scribe** writing tablet



<b>centura</b>	<b>CT300-46</b>	<b>CT302-46</b>	<b>CT300-48</b>	<b>CT302-48</b>
	<b>Plastic seat and back</b>	<b>Padded seat and back</b>	<b>Plastic seat and back</b>	<b>Padded seat and back</b>
<b>SC</b> - min spacing, seat centres chair only	460	460	480	480
<b>SCFC</b> - min spacing, seat centres, front cupholder	490	490	510	510
<b>SCWT</b> - min spacing, seat centres with writing tablet	540	540	560	560
<b>EC</b> – Full Tip envelope (chair only)	234	234	234	234
<b>EA</b> - envelope (with armrest)	350	350	350	350
<b>EFC</b> – envelope (front standard cup holder)	460	460	460	460
<b>ES</b> - envelope (with seat down)	530	533	532	532
<b>SH</b> - seat height (Sit down)	450	450	450	450
<b>OH</b> - overall height (7237)	831	836	831	836
<b>FD</b> - folded depth (7237)	830	830	830	830
<b>FH</b> - folded height on TX mech (7237 W/O Tablet)	148	163	143	158
<b>FH</b> - folded height on TX mech (7237 W/ Tablet)	158	173	153	168

Dimensional tolerances: +/- 3mm  
14/05/2020

<b>centura</b>	<b>CT322-46</b>	<b>CT340-48</b>	<b>CT322-48</b>	<b>CT342-48</b>
	<b>Padded seat and padded high back</b>	<b>Plastic seat and super rise back</b>	<b>Padded seat and padded high back</b>	<b>Padded seat and padded super rise back</b>
<b>SC</b> - min spacing, seat centres chair only	460	480	480	480
<b>SCFC</b> - min spacing, seat centres, front cupholder	490	510	510	510
<b>SCWT</b> - min spacing, seat centres with writing tablet	540	540	560	560
<b>EC</b> – Full Tip envelope (chair only)	256	244	256	256
<b>EA</b> - envelope (with armrest)	367	367	367	367
<b>EFC</b> – envelope (front standard cup holder)	477	477	477	477
<b>ES</b> - envelope (with seat down)	560	545	560	560
<b>SH</b> - seat height (Sit down)	450	450	450	450
<b>OH</b> - overall height (7237)	1000	1060	1000	1060
<b>FD</b> - folded depth (7237)	993	-	993	-
<b>FH</b> - folded height on TX mech (7237 W/O Tablet)	163	-	158	-
<b>FH</b> - folded height on TX mech (7237 W/ Tablet)	173	-	168	-

Dimensional tolerances: +/- 3mm  
14/05/2020