



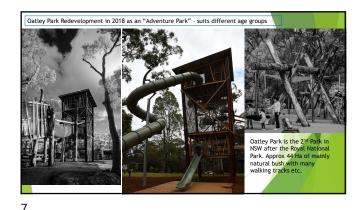








Playgrounds - A Perspective Dr Peter Kneen, **LSAA**



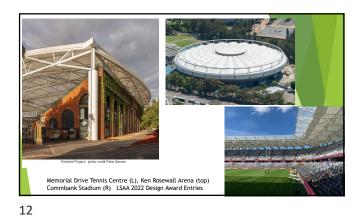






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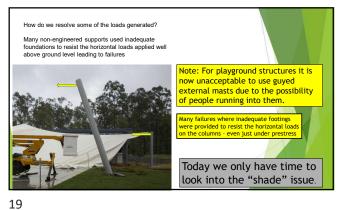
2nd Fatal Case - this time in Victoria ground accident kills 13-year-old in Hastings, near Melbourne March 09, 2009 10:55am A PARAMEDIC has described the bedlam at a Melbourne school after one boy died and several other were injured when a shade structure collapsed. school following a cricket victory on last night. About a dozen teenagers were at Westpark Primary School in Hastings, south of Me incident occurred about 8pm (AEDT). "It is difficult to describe the mayhem, the distress ... the emo said paramedic Dave Llewelyn. "They've climbed onto a structure which has collapsed, and ended up wit locked environment with one of them in cardiac arrest," Mr Llewelyn said.

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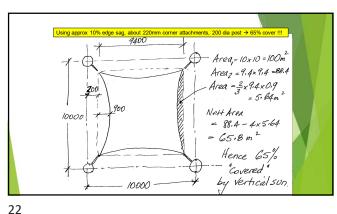


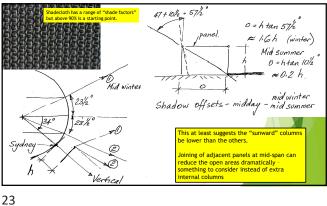
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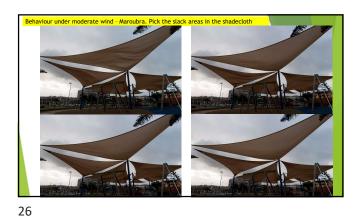






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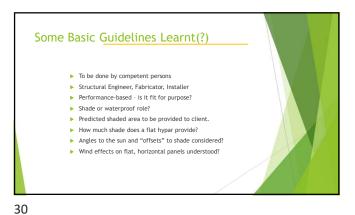










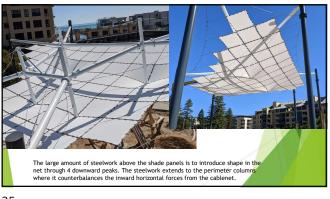
























- This report has two parts. Part 1 establishes the facts around heat in playgrounds. We document surface, air and feels like temperatures in public playgrounds across the Cumberland Local Government Area. All playgrounds were visited repeatedly during warm and hot conditions in the summer of 2019/20 and 2020/21. Part 1 also provides systematic analyses of surface temperatures of SBR, EPDM, TPO, synthetic turf and real grass. In Part 2 we describe the process, outputs and outcomes of a playground transformation at Memorial Park in Merrylands. The playground is in the Local Government Area of Cumberland City Council in the geographic centre of Sydney. With support from the NSW Government, Cumberland City Council, industry partners and inputs from a range of stakeholders, we created Australia's first dedicated UV-smart Cool Playground. Since October 2020, the playground is enjoyed by the local community. Research data showing the avoided heat, improved thermal comfort and reduced exposure to UV-A and UV-B are provided and demonstrate the functionality of the playground.
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Closure

- ▶ There is a vast amount of off-the-shelf components to build interesting playgrounds for
- Providing adequate shade cover has been lacking in many playgrounds.
- More recent criteria for "Thermal Comfort" includes temperatures of ground cover surfaces,
- Very distinct lack of facilities for active people skateboarders, mountain bikes, physical fitnes
- Other "playgrounds" for different needs all contribute to mental health and wellbeing.
- ▶ Playgrounds including stadiums may have a shorter life eg The Gabba, Sydney etc.
- We reviewed shadecloth applications as well as some recent playground structures.

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