CASE STUDY

- Screen type: SilverScreen 205 Performance
- Height: 168 metres
- Levels: 39
- Floor area: 99,656m²

BARANGAROO TOWER 3

Barangaroo Tower 3 is considered by many to be Australia's building of the decade. At 39 levels reaching 168 metres, Tower 3 provides the ultimate in flexible, modern workspaces. The amazing glass facade required a sustainable solution for solar control and its impact on the temperature inside the building during the harsh Australian weather conditions.

THE BUILDING
Barangaroo Towers were designed by architectural firm Rogers Stirk Harbour & Partners and Lendlease, in 2010. Barangaroo is Australia's premier commercial hub for the Asia Pacific region, located in the heart of Sydney harbour. The first in Australia to set the new benchmark for sustainable building materials, Barangaroo Tower 3 had achieved the highest green star rating from the Green Building Council of Australia (CBCA).
'Typically, building projects require more than one round of assessment to achieve a Green Star rating'. However, Barangaroo Tower 3 was fortunate to receive this award on the first assessment at the International Tower Sydney (ITS) (Barangaroo South, 2017).

THE REQUIREMENT
Tough weather conditions such as the harsh Australian sun rays will affect this building, especially as it is 39 levels constructed with glass facade on all levels. This will pose a challenge regarding room temperature and energy efficiency.

THE SOLUTION
Tower 3 was awarded a 6 Star Green Star rating from the Green Building Council of Australia (GBCA). To comply with this initiative, Motorised Verosol SilverScreen 205 Performance blinds were introduced. Manufactured with a thermal and reflective Aluminium backing, SilverScreen 205 Performance was specified due to its high solar reflectance achieving an impressive 76% - 78% outside reflection.
This makes it highly sustainable, flame retardant and very energy efficient.

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Verosol