

## 实验室-澳大利亚-Richmond RAAF Base - Liquid Oxygen Facility



Located at the end of a runway the liquid oxygen facility at Richmond RAAF Base west of Sydney is not your everyday building. A building with a unique form compared with other buildings scattered around the military base.

Liquid oxygen or LOX. The Liquid Dry Breathing Oxygen Maintenance and Storage Facility, to give it its full name, performs a specific task for the Royal Australian Air Force, it tests, maintains and services the oxygen (and nitrogen) used on military planes.

"The new facility had to accommodate LOX liquid," architect Guy Luscombe of Campbell Luscombe Folk Lichtman Architects said. "It has two main functions, storage and maintenance."

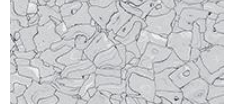
"For safety reasons each function is housed in a separate building. The storage building, essentially a rain and sun protection shelter, services the planes directly and abuts the main runway. "The maintenance building, the 'command module', is the more sophisticated structure and sits about 100 metres away. It has three main testing laboratories / workshops with smaller rooms for specific testing functions."

The basic design and shape is of a plane's wing. The building's single, streamlined form was primarily influenced by its location at the end of the main runway and designed to resist noise and wind pressure. Colorex tiles with its leading conductive properties was selected for the facility and laboratories to comply with strict safety and performance criteria along with durability and ability to handle heavy loads.

建筑设计	Campbell Luscombe Folk Lichtman Architects
工程地点	Western Sydney Australia
完工时间	2008

This is one of the case studies for an industrial projects where Blue Scope Steel was used. I found it helpful, due to the construction drawings we did earlier in the semester used Lysaght product. I found

## 使用过的地面材料



凯乐斯导电(EC)  
系列  
montblanc

