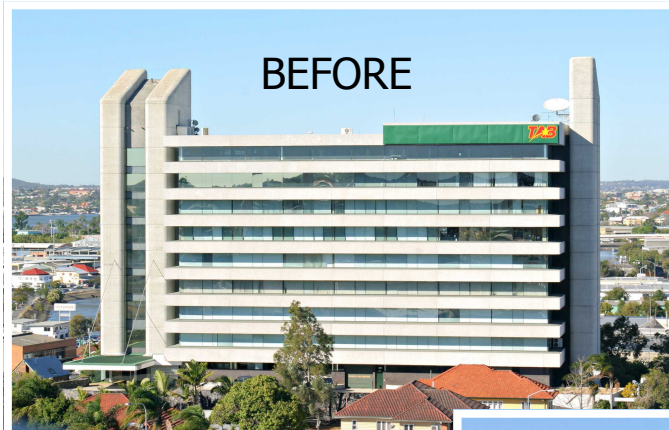


TO C E R O R E



Before photo shows prototype panels installed



Project Brief - The client was seeking a solution to the ever increasing energy costs in running the building.

Solution - Solargard™ ST20 Neutral was selected due to its extremely high heat rejecting properties and yet still allowing high levels of light into the working environment.

- The priority was to minimise the Solar Heat Gain into the building - At the forefront of performance ST 20 rejects 75% Solar Energy (0.29 Shading Coefficient) on 6mm clear glass.
- This site was a unique challenge due to the larger than normal plate glass size throughout the building - it added a complexity by ensuring any product considered had to have a conservative Solar Absorption performance whilst still maintaining a high Solar Energy rejection - we engaged Solargard's™ computer edge stress assessment program to assist in the product selection of ST20.
- We took site specific data and entered it into a computer energy analysis program known as Demand Analyzer with the intention of obtaining an investment pay back period - the report indicated, with the use of ST20, an investment pay back period of approx. 2 years - in summary, the immediate financial investment would be paid back in approx. 2 years with the following years resulting in an annual healthy saving in the buildings energy costs.
- An auxiliary function was to promote the prominent views, including one elevation being of the city, by permanently removing the old deteriorating and dust collecting verticals - with Glare Rejection at 74% and UV reduction at 99%, ST20 was ideal for this application - additionally it reduced the heavy glare on the computer screens from the windows.
- A benefit of the window filming is the obvious change in visual presentation of the building - the building appeared dated and many of the windows were messy due to engaged, partially engaged or left open verticals - this appearance, whether the verticals remained or not, was rectified with the uniform look of all the windows throughout the building - furthermore the upgraded status gave the appearance of a modern looking architectural designed building.
- ST 20 Neutral was applied in excess of 2100m² to all exterior glazing, on both elevations including the lift lobbies.