



## Convert your X-tensioned screen to modular with the Eazi-fit Modular Panel System



Many conventional double or triple camber screen decks designed for cross tensioned cloths can use the Nepean Rubber **Eazi-fit** modular panel system without the need for modification to the screen frame.

The **Eazi-fit** panels are custom designed to suit the existing structure and the modular panels can even be used in conjunction with cross-tensioned rubber, polyurethane or wire screen cloths.



Matt Neil, Manager of a hard rock on the Mid North Coast of NSW had been using 20mm thick cross tensioned rubber screen cloths on the top deck of his Austral 16' x 6' primary screen for as long as he can remember.

Installation of the heavy cross tensioned rubber screens was quite difficult with a mobile crane required to lift the +60kg screen cloths up to the working platform before being man handled into position on the screen. Removal of the worn cloth was equally difficult also requiring several men to wrestle with and lift the cloths out of the screen box.



*Conventional cross tensioned rubber screen cloth pre conversion*

Matt's primary concern was the OH&S welfare of his men with the frequent replacement intervals of the heavy rubber screen cloths. This prompted Matt to investigate safer, lighter alternate options. Matt subsequently he chose Nepean Rubber's **Eazi-fit** modular system because he could convert his screen to a modular arrangement without the costly frame modifications.



**Installation** of the Eazi-fit panels couldn't be anymore straight forward.

The 60kg x 20mm thick cross tensioned rubber cloths are replaced with 4 smaller 40mm thick **Eazi-fit** rubber panels, each weighing less than 20kg.

The light weight panels can be easily and safely carried up to the screen box without the need for any heavy lifting equipment.

As with every screen cloth installation regardless the type, it is important to check the support bars are in good condition and the screen crown has good even radius. A stringline is usually all that is required to check the crown radius.

When all necessary repairs have been carried out, the frame cleaned and new capping rubbers fitted the **Eazi-fit** panels are placed on the screen frame where the cross tensioned cloths previously sat. The centre hold down bar is then fitted with bolts only finger tight.



The old steel side clamping bars are replaced with long wearing **Eazi-fit** rubber side clamping bars. When the **Eazi-fit** side clamp is in place and the bolts are tight finish tightening the centre hold down bar bolts. The job is done and conversion is complete.



*Eazi-fit rubber side clamping bar & original centre hold down bar*

Creating a safer working environment was Matt's main objective for the conversion to the **Eazi-fit** system, however increased screening efficiency was a secondary requirement. The increased throughput post conversion initially resulted in a little too much material passing through the top deck **Eazi-fit** panels, starving the secondary crusher and loading up the tertiary crusher. Some subsequent crusher adjustments have optimized the flow and a blend of slightly smaller aperture screen panels are being systematically installed to fine tune the balance of feed for even better efficiency.

The 20mm thick cross tensioned screens historically last around 4 months. After 3 months operation the **Eazi-fit** panels are showing minimal wear and are estimated to last a further 6-9 months.

Double or triple the wear life with no screen box modifications **plus** the ability to quickly switch back to cross tensioned cloths should circumstances change made the **Eazi-fit** system a sensible, low risk and cost effective choice.

***"Longer wear life means the boys aren't climbing in the screens to change out worn cloths. Not their favourite job".***

***"I couldn't be happier"*** says Matt.