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## TechPlas custom extrusion and innovation used on new Forrestfield-Airport Link railway tunnel

TechPlas Extrusions has been solving problems for our clients and customers for over 35 years. Our expertise and ingenuity have helped develop countless products that have saved our customers time and money by using the unique properties of PVC to come up with better solutions.

A recent example of this is a major drainage component of the Forrestfield-Airport Link tunnel project in Perth. When the client, joint venture partners Salini Impregilo and NRW, needed a drain system for their tunnels they worked with the TechPlas R&D team in WA to come up with a customised profile that met their needs.

Mark Pettit, General Manager at TechPlas, explains the challenges of this project.

“The requirements of the drain meant that the profile needed to be quite large and heavy - these are never easy to extrude – especially long sections as required on this project”, explained Mark. “What’s more, the due to budget constraints and a desire on the part of the client to minimise environmental impact, we also decided to make the product from 100% recycled material which adds more challenges to the manufacturing process.

“Fortunately, TechPlas has a lot of experience manufacturing products from recycled PVC and we have good quality sources for recycled polymer materials. Our production team did a great job refining the process and our quality control is something we pride ourselves on. This was especially important as the product was extruded in Sydney and sent across Australia to Perth making it impractical to take back any products which were deemed out of spec.” TechPlas is proud to have been one of the first signatories to the Vinyl Council of Australia environmental stewardship program and to be compliant with best practice PVC regulations.

TechPlas is proud to comment that this project alone saved over 55 tonnes of rigid PVC from ending up in waste streams.

TechPlas has met the demanding schedule for supply of many kilometres of product to ensure that the project timeline was met. We are proud to be part of another iconic Australian infrastructure project and to have worked with such professional partners.

For more information on how TechPlas can help you solve problems for you contact us on (02) 9636 6755 or [enquiries@techplas.com.au](mailto:enquiries@techplas.com.au)



*300mm Invert Drain (TP890) installed in 6m lengths for the Forrestfield Airport Link Tunnel in WA (2020)*

