

TEXYLOOP®

REMOVE > RECYCLE > REPLACE

FOCUS



AUSTRALIAN CASE STUDY

Horizon Sail Structures were approached by the owners of a major shopping centre south of Brisbane to inspect several large car park canopies. These structures, constructed of non-Ferrari® fabric, offered protection for shopping centre patrons, but were nearing the end of their useful life.

Horizon contacted Innova International to discuss using Serge Ferrari® 802S2 architectural fabric for the replacement structures and the steps required to recycle the old canopies.

The original membrane was identified as compliant with technical requirements of the Taxyloop® process. Horizon's client welcomed the opportunity to recycle the old canopy panels with an environmentally sustainable solution.

The original canopies, complete with cables and corner plates, were dismantled in a single day and transported to the Horizon factory for removal of heavy soiling. Templates from the old canopies were created to reduce time on site whilst minimising disruption to shopping centre patrons.

Cables, corner plates and other metal componentry were reused for the new structures or recycled. Fabric was then palletised for transport to Melbourne.

At Innova, fabric was weighed and re-inspected for dirt and metal contaminants, before being stored in a shipping container for future export.

2000 square meters recovered from the project was moved to Innova's Taxyloop® collection point for consolidation with 'rescued' materials from other projects. Additional materials will arrive progressively from North Queensland following the replacement of cyclone damaged structures.

The current container to be returned to Europe is the third container of reclaimed PVC / Polyester fabric diverted from landfill that Innova will have facilitated into Taxyloop® recycling.

For detailed information on

AUSTRALIAN TEXYLOOP® PROJECTS



Olympic Swimming Pool
Canberra, ACT



Penguin Parade shade structure
Phillip Island, Victoria

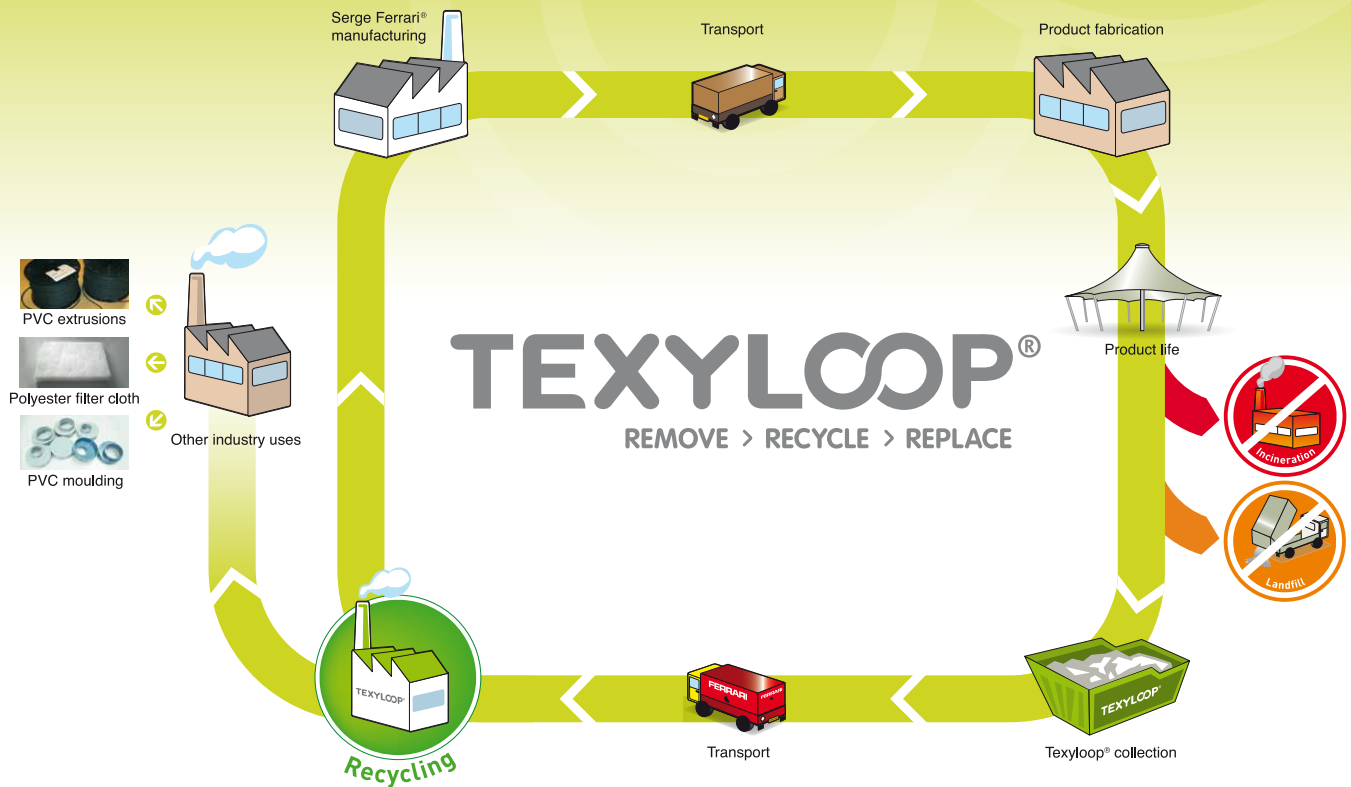


Shopping centre car park
Brisbane, Queensland



Redlynch Indoor Sports Centre
Cairns, Queensland

THE PRODUCT LIFE CYCLE



Product Life

Millions of square metres of polyester / PVC materials are produced each year by Serge Ferrari® for a range of end uses. The lifespan of these products may range from months for signage media, to decades for heavier architectural membranes.

Incineration / Landfill

It is environmentally essential that at the end of their working life these materials are diverted from landfill or incineration to recapture and reuse valuable resources.

Texyloop® collection

REACH conforming materials are collected at Texyloop® depots across Europe and Australia where they are checked for contaminants (metal, rope cables etc) before being sent to Ferrare, Italy for inclusion in the Texyloop® recycling process.

Texyloop® recycling

Texyloop® is currently the only successful process that reclaims 100% of the PVC and polyester components making them available again for reuse in manufacturing processes. This is true recycling at its most effective and clearly superior to the "downcycling" methods in use elsewhere.

