

FERRARI
architectura

innova

Interior Architecture

Taking Tensile Textiles into new spaces

Presented by
Chris Arkell
National Sales Manager & Architectural Specification
Innova International

FERRARI
architectura

innova

New Visions = New Markets

In Europe the use of textiles in internal applications has been seen by fabricators and designers as an excellent adjunct for expanding their existing businesses.

A major UK customer of Ferrari's now estimates 50% of their fabrication work comes from internal applications.

FERRARI
architectura

innova

Tensile textiles are moving inside

The use of textiles internally provide all the benefits we normally associate with their external counterparts and a few other characteristics that enable them to be used in interesting and unique ways.

- Lightweight and cost effective
- Minimisation of material components
- Parallel fabrication shortens project timeframes
- Rapid on-site installations decrease downtime and disruption

FERRARI
architectura

innova

Interior Applications for Architectural Textiles

- Acoustic dampening
- Innovative Light and Glare control
- Spatial demarcation
- Communication
- Aesthetic purposes
- Solar Energy control

FERRARI
architectura

innova

Acoustic dampening



Universal
FABRIC STRUCTURES
Tweed Regional Aquatic Centre


Architectural textiles are the perfect solution for cavernous hard surfaced spaces. In this swimming pool environment a mesh resistant to humidity performs an acoustic purpose whilst hiding services run within the ceiling cavity.

“Soft” ceilings reduce reverberation and absorb sound

FERRARI
architectura

innova

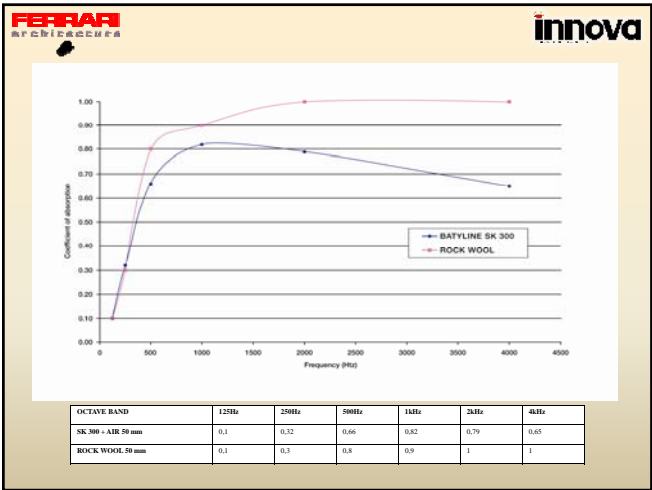
Acoustic dampening



Post construction solution to reduce the sound emanating from a stairwell in this large atrium.

Encased in a tensioned textile to reduce noise this silicon glass composite allows light penetration whilst dampening sound from the stairwell.

Highly effective sound absorption provides a cost effective, post construction solution in this application



FERRARI
SPRINTECCEPRA

innova

Lightweight - minimises material use

Tensioned Ceiling in Humid and Chlorinated environment

Under 1.5 kgs per square meter with fewer component elements

FERRARI
SPRINTECCEPRA

innova

Parallel Fabrication

Tensioned Ceiling in large scale application

Rapid on-site installation over large areas

FERRARI
SPRINTECCEPRA

innova

Parallel Fabrication

Tensioned Ceiling in large scale application

Rapid on-site installation over large areas

FERRARI
SPRINTECCEPRA

innova

Management of Light

Highly Translucent Membranes make excellent light wells

Decrease Energy consumption through use of natural light

FERRARI
SPRINTECCEPRA

innova

Management of Solar Energy


Highly solar reflective textiles reject heat and reduce glare

Decrease power consumption through control of solar energy

FERRARI
architects

innova

Practical and Aesthetic



This fabric suspended screen 'ceiling' served two main purposes.
To hide the tired looking ceiling and control sound reverberation.


Both these results were achieved without interfering with the existing lighting, air-conditioning or fire services.

Please refer to Paper for the Architects overview.


FERRARI
architects

innova

Artistic and Aesthetic



GreenVoid – LAVA and MakMax



MTV Awards - MakMax

FERRARI
architects

innova



2009 AIA Bar – 3 Dimensional Sculpture– LAVA and MakMax

FERRARI
architects

innova

Communication, Area Demarcation



Print receptive textiles provide new avenues for communication

Area demarcation and communication combination

FERRARI
architects

innova

Acknowledgements

Our thanks go to the following organisations for images

- UFS - Universal Fabric Structures - NSW
- MakMax Australia – Qld
- Copelands - CP Solutions - Qld