

# Stretched Membrane

## Stretched PVC Ceiling & Wall System

### Technical Data sheet



asona

#### Description.

PVC stretched membrane ceiling & wall system allows you to create flat or 3D ceilings & walls. The stretched ceiling is an actual suspended ceiling, traditionally in white or available in many different colours. Available in non-acoustic PVC for plain flat ceilings, 3D ceilings and back-lit walls. However all PVC membranes can be treated acoustically by micro-perforation to 250,000 micro-perforations per sqm which provides the best ratio between sound absorption and the mechanical strength of the membrane. Stretched membrane ceilings & walls are made to measure, prefabricated in our factory and installed by a professional.

#### Application.

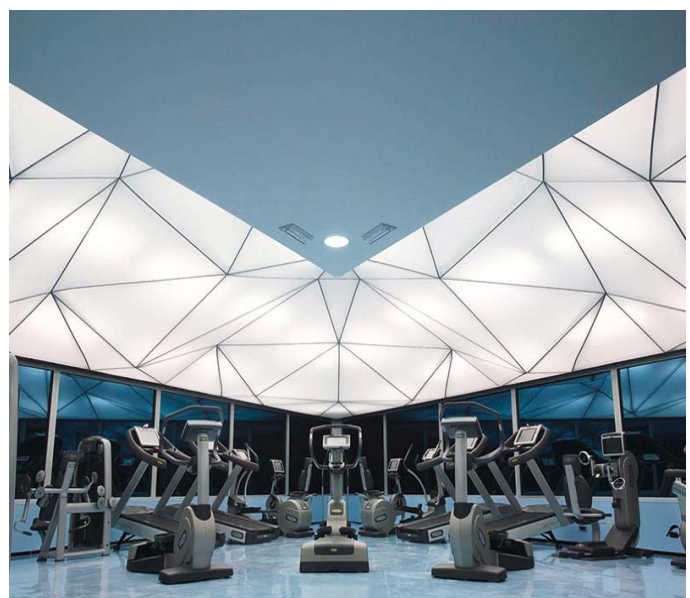
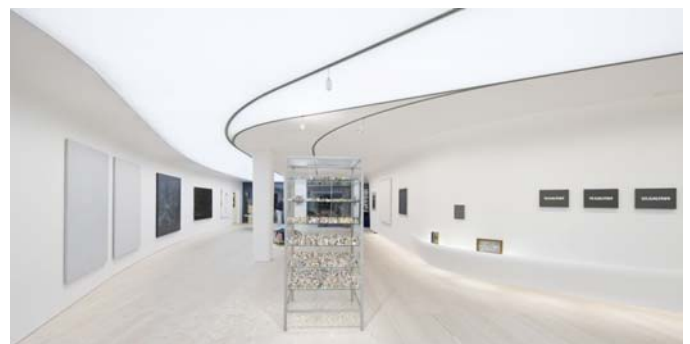
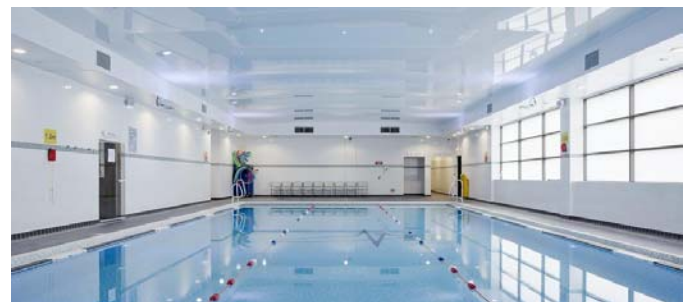
Stretched membrane ceilings & walls are ideal for use within shopping malls, swimming pools and sports centres, corporate offices and hospitality environments.

#### Composition.

The stretch PVC ceiling is composed of three parts:  
The profile, which is placed on the ceiling,  
The 100% PVC membrane,  
The harpoon, which is fixed around the edge of the membrane and fits into the profile.  
The profiles are made from anodized aluminium.

#### Benefits.

- Installed in a few hours, without the necessity of a construction site or a need to relocate during the installation.
- Easy to install and take down whenever there is a need or desire to make modifications.
- Non-rigid structure, absorbs shocks without being damaged.
- Impervious to humidity, not affected by leaks or condensation.
- No maintenance necessary.
- Acoustic micro-perforated option available.
- Fire proof.
- Available in more than 300 colours.
- Suitable for ceilings and walls
- Can be back-lit for effect



#### Technical Specifications

Sound Absorption Rating: Per ASTM C423
Type A (membrane only) with 100 mm plenum = NRC 0.45.
Type B (Double layer membrane) with 100 mm plenum = NRC 0.55
Type C (+ 20mm absorber) with 100 mm plenum = NRC 0.70
Type D (+ 40mm absorber) with 100 mm plenum = NRC 0.90

## Technical Specifications

### colour finishes:

Over 300 colours are available, contact Asona.

### Dimensions:

Panels width and length determined by PVC material selection and join detail. Refer Asona

### Environmental impact:

PVC is 100% recyclable at the end of its life cycle.

### Fire Reaction:

All our classified products benefit from the fire classification Fire Group Rating: 2

### Maintenance:

Stretched membrane ceilings & walls can be vacuumed to remove dust or a damp cloth can be used to remove marks. Avoid using cleaning fluids as they might take some of the colour out. If required the PVC may be removed for cleaning or refurbishment

### Limitations:

Direct exposure to sun light may result in colour fade.

### NZ Building Code:

Clause B2.3.1—durability, 5 years

### Installation:

Stretched membrane ceiling & wall systems are a decorative finish and shall be installed late in the build program once the building is water tight and free of dust and debris from other trades. Utility outlets shall be mounted flush with membrane face.

### Specification:

PVC panels shall be Asona stretched PVC acoustical ceiling & wall system, site built, as supplied and installed by Asona Ltd.  
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ISO 9001:2008 Registered Firm No. NZ1014

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All dimensions are nominal. We reserve the right to change specifications .  
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