

STRETCH CEILING TECTEND®

Product Description

The stretch ceilings Tectend are made from a PVC membrane, with a variety of finishes.

The PVC molecules expand by action of heat (during installation) which then collapse again promoting a tension across the surface of the ceiling,

This tension is applied according to specific rules of design, with very precise calculation for each type of finish.

Application

The stretch ceilings TECTEND, are (almost) for application in decorative ceiling.

Due to its wide range of trim and features, they are ideal for recovery of old buildings, because its weigh is much less than existing systems.

However there are other applications for this type of panel, that are beginning to be worked by technicians and installers, such as applications in stands, wall covering, among others,

Application

The stretch ceilings TECTEND, are manufactured by measurements of the area. They are set on a pattern of non-structural profiles, in aluminum or PVC on the wall. On the panel is applied a reduction that will allow the area to be always flat.

Range (Types of finish)

The stretch ceilings Tectend, has 10 different types of ranges and 141 different colors:

- Matted
- Varnished / Brilliant
- Satins
- Metalized
- Translucent
- Leathers
- Printed
- Marbles
- Perforated
- Bio-Pruf (White rooms)

In each type of range, there is an different quantity of colors, that are in our colors catalog.

Components of ceiling

- PVC membrane
- Structure of Aluminum Profile
- Support Structures
- Rings of reinforcement

Membrane

Product specifications

Material	PVC Screen
Thickness	0,18mm (+-2mm)
Mass *	240g/m ² (+-15g)
Reaction to fire	B-s3-D0
Guarantee	10 years (welds)
Life Time	20 years

* Ref.* "Vila Real" has diferent values

Tectend Data sheet

Profile

Product specifications

Material Alumínio, Liga F22 (6060)

Thickness 2 mm (+-0,5mm)

Mass Depending on profile

Ex:

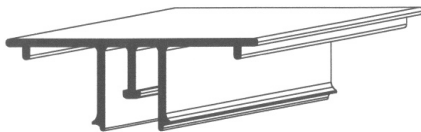
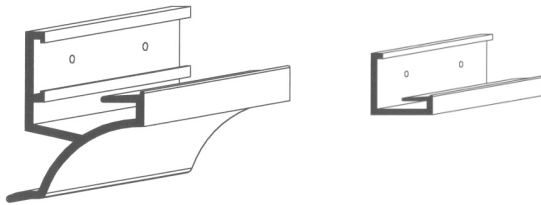
IFL 0,430Kg/m

Reaction to fire Classe M0

Guarantee ND

Life time 20 years

Examples of some existing models:



Support structures

Product specifications

Material Alumínio, Liga F22 (6060)+ PVC

Thickness 2 mm (+-0,5mm)

Mass Depending on profile

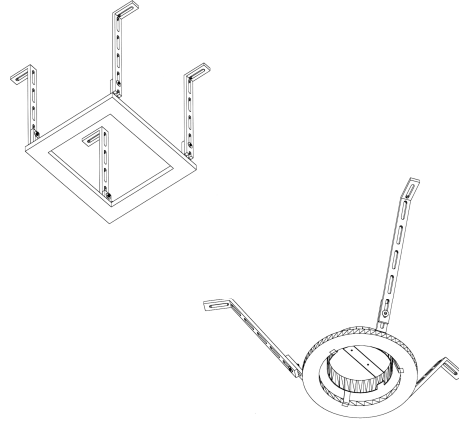
Example:

st. p/ Proj. Tectend 100g

Reaction to fire Class M0

When there are embedded in the ceiling: projectors, AV / AC, sprinklers, alarms and so on, the support structures are applied for each of these systems. Should be accurate measures of installation, because the structure is also manufactured by step, depending on the number of applications.

Examples:



Rings of reinforcement

In areas to install projectors, a sprinkler, AV / AC, among others, in addition to the structure is necessary to place a ring of reinforcement.

This ring will create more points of convergence of force so as not to prejudice the tension applied to the roof.

Product specifications

Material PVC

Thickness 3 mm (+-0,5mm)

Mass Depending on Ring

Example:

Ring Proj. Tectend 40g

Reaction to fire Class M0

Setting System

The stretch ceilings TECTEND, are "fix" in aluminum or PVC profile designed specifically for this purpose. The matrices are specific from Tectend and are manufactured according to the finishing required, as example:

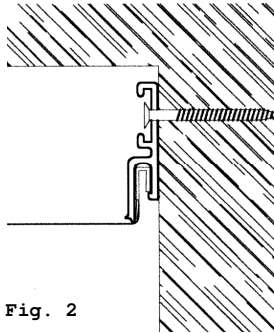


Fig. 2

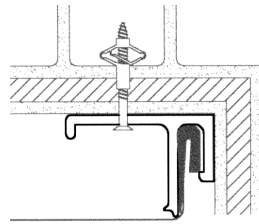


Fig. 1

Hygiene and Cleanliness

Due to its smooth texture, TECTEND stretch ceilings do not allow accumulation of dirt, moisture, and can be washed as many times as necessary without endangering the color or finish. The liquid should be PH neutral.

The range bio Pruf, was designed specifically for areas where hygiene and cleanliness are a decisive factor, such as: rooms of hospitals, clinics, the food sector, laboratories, etc.

The proliferation Bacterial is zero, giving the area a unique cleaning and hygiene.

Setting specifications

The areas to install ceilings must be closed to any entry of air and appropriately tight.

The Gap between the ceiling and the existing structure should be the

highest possible in order to ensure greater isolation.

The structure of aluminum profiles is fixed with the usual fixation systems. The screens are placed using heat equipment properly prepared for this purpose.

CE Marking

Tectend, Tectos tensos decorativos, Lda, Zona industrial de Vale Sepal, Leiria - Portugal, declares that its ceilings are in line with the harmonized standard a EN 14716:2004, Stretched Ceilings - "Requirements and test methods".

We have a system of production control defined in our quality management system, certified by ISO 9001:2000.

The application of the product is designed to be installed in the decorative ceilings, walls and related.

Reaction to fire	B-s3-D0
Vinyl chloride monomer	< a 10mg/kg
Migration of heavy metals	Sb <60; As <25; Ba <500; Cd <25; Cr <60; Pb <90; Hg <20; Se <165
water vapor permability	< 50g/m2/24h
weldingness	Factor de ruptura (Q) > 0,5
Susceptibility to the development of micro organisms	Pass