



Data Sheet

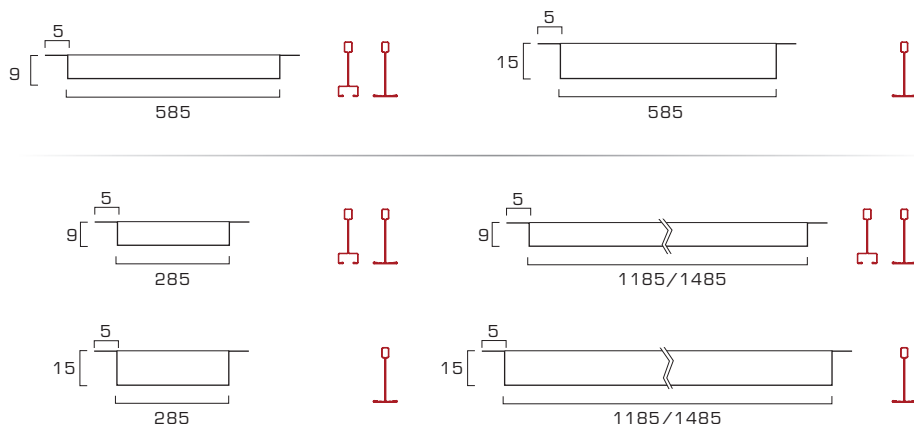
15 LINEAR DESIGN

DESCRIPTION

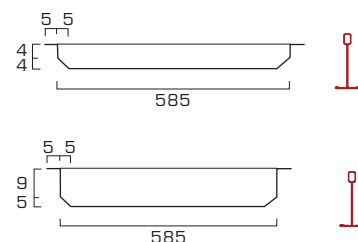
False ceiling made up of lowered tiles laid on visible structure Steel Strong Easy T15 or Easy Line. Tiles for Steel Strong Easy Line structure are available only with right edge; 600x600 mm models with bevelled edge are provided for installations with Steel Strong Easy Base 15 structure. Tiles are also available in expanded metal sheets.

SECTIONS

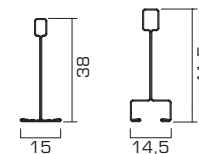
RIGHT EDGE



BEVELLED EDGE



STRUCTURE PROFILE SECTION



TECHNICAL DATA

TILES DIMENSION 600x600 mm - 300x1200 mm - 300x1500 mm
Other dimensions on request

TYPE Lay-in tiles
Right edge 9 or 15 mm lowered
and bevelled edge at 45°, 9 or 15 mm lowered

MATERIAL AND WEIGHT

Aluminum 5/10:	1,43 kg/sqm
Aluminum 6/10:	1,71 kg/sqm
Aluminum 7/10:	2,00 kg/sqm
Steel 5/10:	4,07 kg/sqm
Steel 6/10:	4,88 kg/sqm

VISIBLE STRUCTURE Steel Strong Easy T15
Steel Strong Easy Line

CERTIFICATIONS

FLEXION RESISTANCE Maximum span mm 1200 - 1 Class

DURABILITY OF POST-PAINTED ITEMS C Class

DURABILITY OF GALVANISED ITEMS B Class

RELEASE OF DANGEROUS SUBSTANCES No release of dangerous substances according to the European law EN 13964:2014

REACTION TO FIRE According to UNI EN 13501-1:
plain or perforated tiles with Viledon Plus A1 Class
perforated tiles with standard Viledon A2s1dO Class
structure A1 Class

ACOUSTIC TEST Refer to Atena acoustic catalogue.

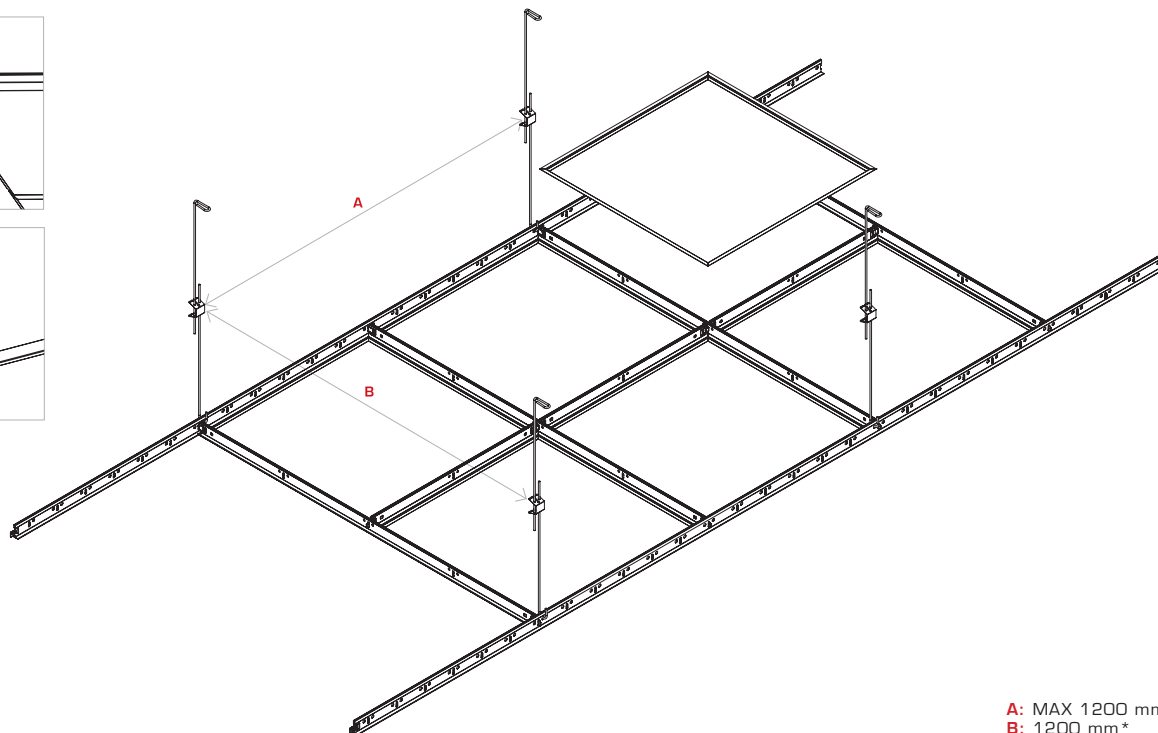
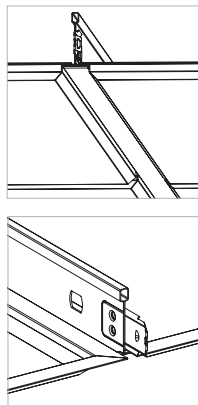
MAXIMUM BEARING CAPACITY	Str. Easy model 600x600: 8 kg/sqm	Str. Easy Line model 600x600: 14 kg/sqm
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VISIBLE STRUCTURE STEEL STRONG T15

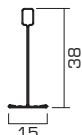
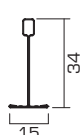
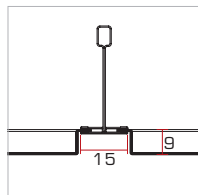
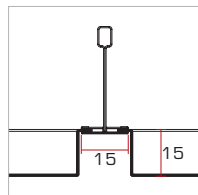
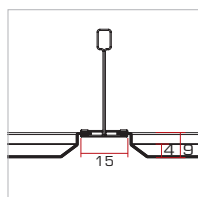
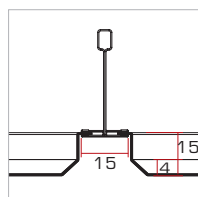
MODEL 600 x 600 mm

DETAILS

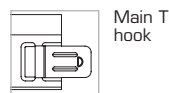
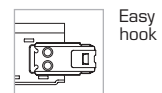
EASY T15 HOOK



A: MAX 1200 mm*
B: 1200 mm*

MAIN T
 3700 mm

CROSS T
 1200 mm/600 mm

TILE SECTION
RIGHT EDGE
 9 mm LOWERED

TILE SECTION
RIGHT EDGE
 15 mm LOWERED

TILE SECTION
BEVELLED EDGE
 9 mm LOWERED

TILE SECTION
BEVELLED EDGE
 15 mm LOWERED


The installation of 15 Linear Design with T15 maintains the tridimensional features of the tile while emphasizing the structure, which becomes, from an essential technical element, an architectural feature.


Main T
 hook

Easy
 hook


*Verify the interaxe according to the load at m².

All dimensions are nominal and expressed in millimeters.

All technical specification data and information can be changed without advise.

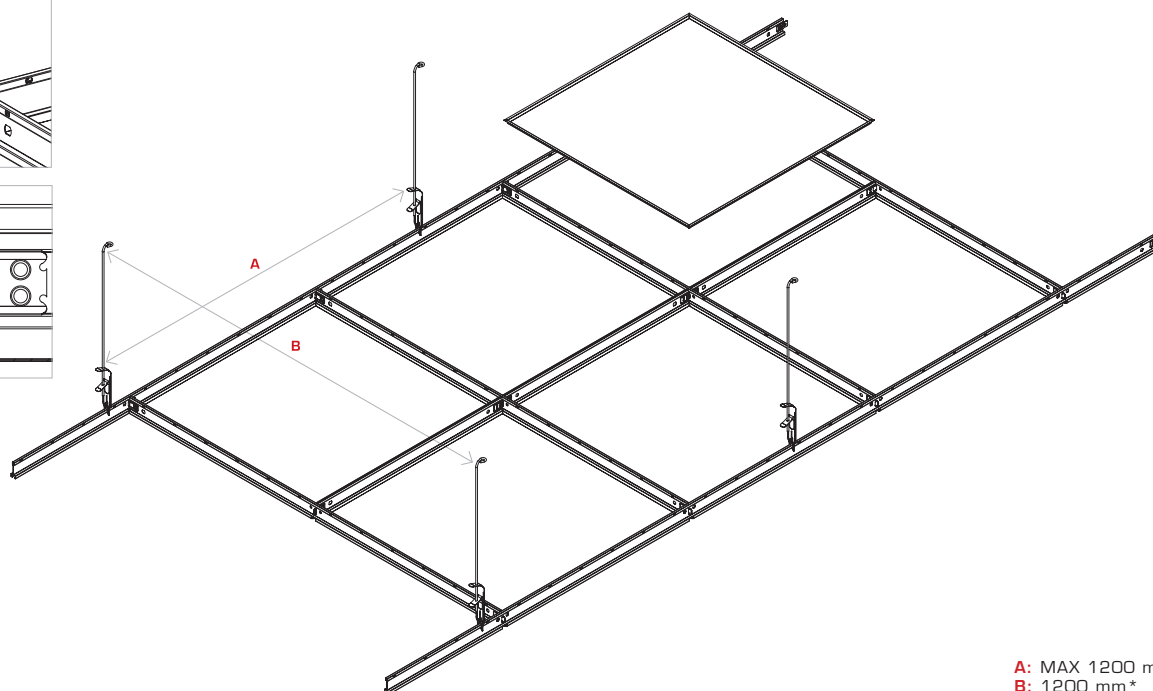
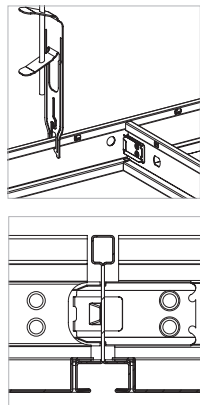
For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

VISIBLE STRUCTURE STEEL STRONG EASY LINE

MODEL 600 x 600 mm

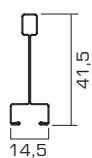
DETAILS

EASY LINE HOOK

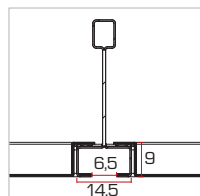


A: MAX 1200 mm*
B: 1200 mm*

MAIN T | CROSS T 3700 mm | 1200 mm/600 mm



TILE SECTION RIGHT EDGE 9 mm LOWERED



15 Linear Design installed on Steel Strong Easy Line creates a great impact lighting effect thanks to special coloured shutters where small led can be settled in. 15 Linear Design can only have right edges.



Main T Hook



Easy Hook

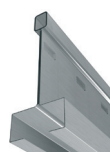
Steel Strong Easy Line structure has the Easy patented hook.

COLOURS

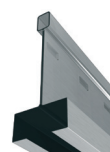
Atena Steel Strong Easy Line is available in 4 different versions.



White



Silver



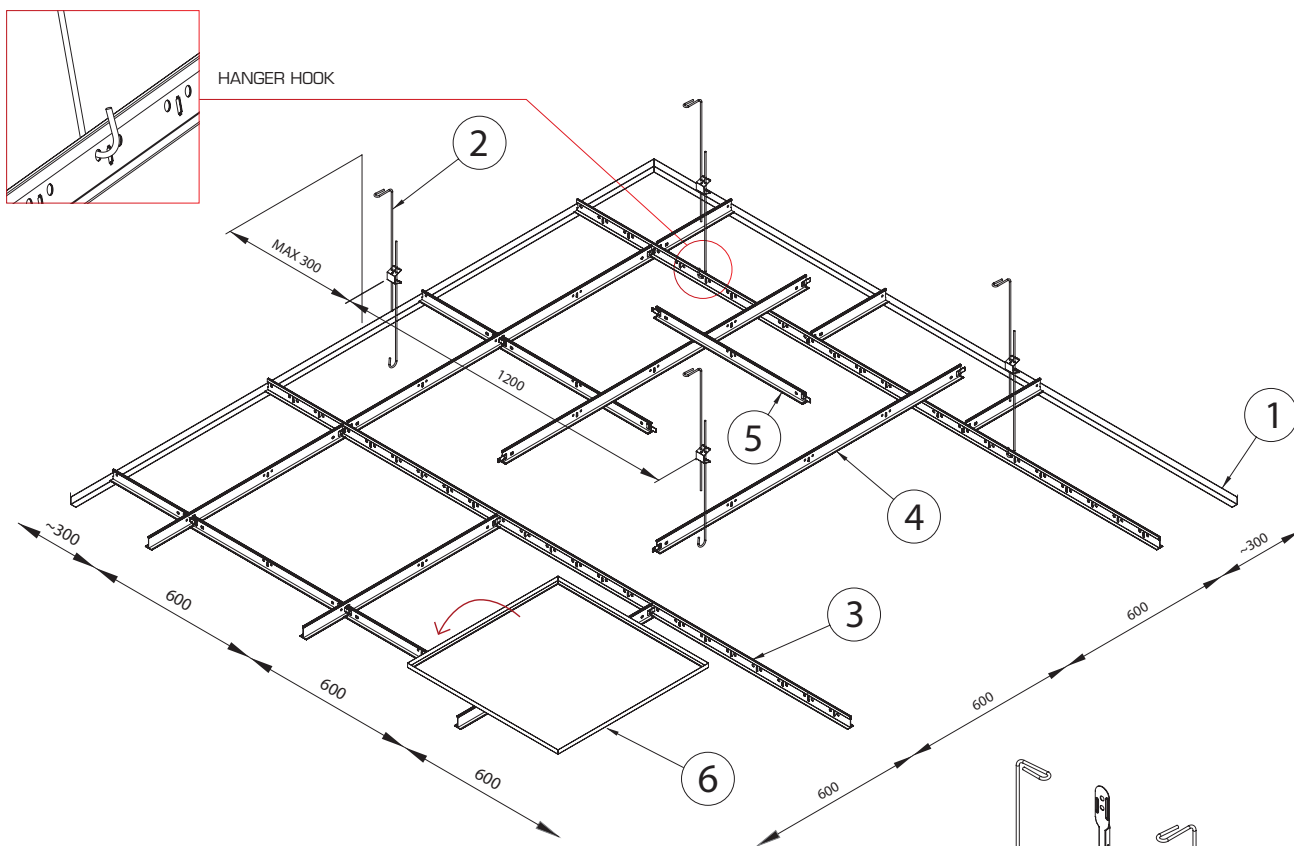
Silver Black



White Black

*Verify the interaxe according to the load at m².

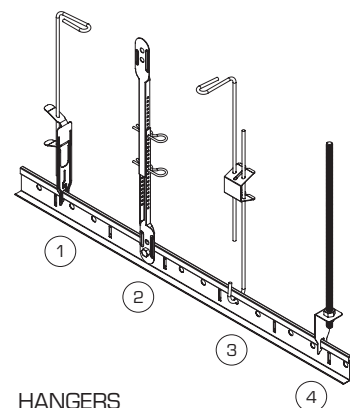
LAYING INSTRUCTIONS



INSTALLATION STEPS:

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Proceed with the installation of structure:
 1. Install the wall angles with nails, screws and / or plugs suitable to the wall material.
 2. Fix the hangers according to the type of ceiling to be installed.
 3. Install the main runners with an interaxe of 1200* mm.
 4. Proceed with the installation of 1200 mm cross T profiles in to the main carrier.
 5. Install 600 mm Cross T in to 1200 mm Cross T profiles.
 6. Complete the false ceiling laying the tiles on T structure.

*Verify the interaxe according to the load at m² and particular conditions.

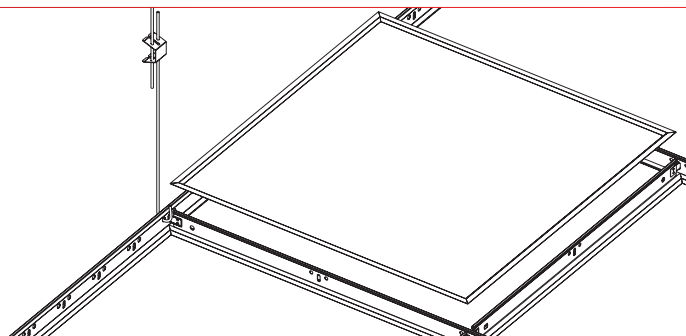


HANGERS

- 1) Twister
- 2) Nonius
- 3) Standard hook with spring
- 4) 90° hanger

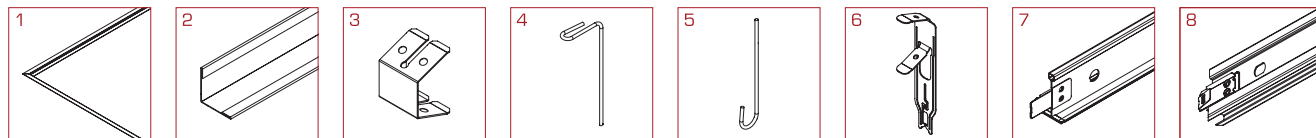
To set up a proper coupling of the structure, hold the left side of the punched profile and press slightly to snap the clip into place. The click ensures the proper attachment of the structure.

To release, press the tab of the locking clip and remove the profile.



15 LINEAR DESIGN INCIDENCES

MODEL 600 x 600 mm



STEEL STRONG EASY T15 - EASY LINE STRUCTURE

ID	DESCRIPTION	MATERIAL	QUANTITY	
1	15 LINEAR DESIGN TILE	steel / aluminum	(pcs/sqm)	2,78
2	PERIMETER PROFILE	galvanized steel 6/10	(lm/sqm)	1
3	Ø4 mm DOUBLE SPRING	spring steel	(pcs/sqm)	1
4	Ø4 mm HANGER WITH EYE	galvanized steel	(pcs/sqm)	1
5	Ø4 mm HANGER WITH HOOK	galvanized steel	(pcs/sqm)	1
6	TWISTER	hardened steel	(pcs/sqm)	1
7	EASY T15 3700 PROFILE	galvanized steel	(lm/sqm)	0,85
	EASY T15 1200 PROFILE	galvanized steel	(lm/sqm)	1,70
	EASY T15 600 PROFILE	galvanized steel	(lm/sqm)	0,85
8	EASY LINE 3700 PROFILE	galvanized steel	(lm/sqm)	0,85
	EASY LINE 1200 PROFILE	galvanized steel	(lm/sqm)	1,70
	EASY LINE 600 PROFILE	galvanized steel	(lm/sqm)	0,85

TILES WEIGHT

MODEL 600 x 600 mm

TILES					VISIBLE STRUCTURES COMBINED WEIGHT			
MODEL	DIMENSION	MATERIAL	THICKNESS	kg/sqm	EASY T15 kg/sqm		EASY LINE kg/sqm	
					S	S+P	S	S+P
15 LINEAR DESIGN	600 x 600	ALUMINUM	5/10	1,42	0,84	2,26	1,22	2,64
			6/10	1,71	0,84	2,55	1,22	2,93
			7/10	1,99	0,84	2,83	1,22	3,21
		STEEL	5/10	4,06	0,84	4,90	1,22	5,28
			6/10	4,87	0,84	5,71	1,22	6,09

S WEIGHT OF STRUCTURE ONLY
 S + P FALSE CEILING TOTAL WEIGHT STRUCTURE AND TILE - WITHOUT HANGERS WEIGHT
 WEIGHT TILES REFER TO PLAIN MODEL

PACKAGING SPECIFICATION

MODEL 600 x 600 mm

PACKAGING									
MODEL	DIMENSION	MATERIAL	THICK.	PIECES PER BOX*		BOXES PER PALLET		CODE**	
				H 9	H 15	H 9	H 15	H 9	H 15
15 LINEAR DESIGN	600 x 600	ALUMINUM	5/10	16	10	28	28	P159RL5BIC000NB	P151RL5BIC000NB
			6/10	16	10	28	28	P159RL6BIC000NB	P151RL6BIC000NB
			7/10	16	10	28	28	P159RL7BIC000NB	P151RL7BIC000NB
		STEEL	5/10	16	10	28	28	P159RC5BIC000NB	P151RC5BIC000NB
			6/10	16	10	28	28	P159RC6BIC000NB	P151RC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATION

TECHNICAL SPECIFICATION

MATERIAL AND COLOR:

- Aluminum 5/10 White | Silver
 - Aluminum 6/10 White | Silver
 - Steel 5/10 - 6/10 White | Silver
- Postpainted similar to RAL 9010 and RAL 7035 (gloss and matt)
Postpainted all RAL color gloss and semi-gloss
SILVER postpainted similar to RAL 9006 and all matt RAL colors.
See "Colors and Materials" data sheet

FINISHING:

Plain surface

Perforated surface:

- Perforation type
- Hole
- Diagonal or parallel perforation
- % perforated area

Read Atena Perforations data sheet

VISIBLE STRUCTURE:

- Steel Strong Easy T15 (visible side color: white, black, silver)
- Steel Strong Easy Line (visible side color: white, silver, white/black, silver/black)

PERIMETER PROFILES:

Chosen by project requirements, see Metal Modular Catalogue, "Perimeter profiles" section.

Fire reaction according to UNI EN 13964 A1 Class for plain or perforated tiles with Viledon Plus, A2s1d0 Class for perforated tiles with standard Viledon.

Tiles will be shaped with right or 45° bevelled edge according to the request.

Tiles sides will be properly shaped to be laid on T15 and Easy Line structures.

The system will be suspended to the overlying structures using adjustable hangers. The panels will be removable to ensure any easy access to the interspace and a flexible positioning of the lighting elements.

In case the perimeter frame is made up of cutted tiles, we recommend the use of plain tiles.

Good results in terms of sound-absorbency can be obtained with perforated tiles by inserting rockwool or mineral fiber on the back, packed in hot-sealed polyethylene containers

STORAGE MODE

In order to guarantee to customers the realization of a perfect false ceiling, materials supplied by Atena S.p.A. shall be maintained in good conditions from purchase to installation.

They must be stored in a closed, clean and dry site.

Atena S.p.A. protects its products with resistant packaging under normal handling.

Please handle packages with care to avoid shocks and inappropriate handling that might damage what is provided.

Tiles are packaged in brown cardboard boxes with stripe and delivered on pallets secured with cellophane.

The manual handling must be carried out with caution and in compliance with safety regulations at work.

For carriage of packaged products on pallets, provide a mechanical transport to avoid damages or risks resulting from inadequate transport.

CLEANING, MAINTENANCE AND REMOVAL

Cleaning and maintenance require some attention and care even though are easy to make and don't take much time. It is necessary to use neutral and not aggressive soaps. In case of any damage, tiles can be repainted or replaced.

False ceilings maintenance usually refers to:

placing, alignment or replacement of damaged or broken tiles. Panels can be also removed for restoration or maintenance of the system below.

The maintenance work shall be appointed to: specialised workers trained with technical data sheets about setting, removal and maintenance of the false ceilings, in order to ensure excellent results.

The tiles shall be taken off simply by pushing them upwards from the T grids and turning them to one side for an easy removal.

Using inadequate tools can damage the structure, causing adherence loss or even accidental panel fall. All the maintenance intervention must follow the technical data sheet indication and every noted diversity has to be promptly reported.

Each worker assigned with maintenance operation must carefully remove the tile, perform the intervention and do not alter the false ceiling structure, the hanging system and the connection between these elements.

When the maintenance is over, install again the panels, verifying that the tiles are properly laid on the T profile and the planarity is guaranteed. Any difference in tiles level is caused by wrong installation and, for this reason, they must be quickly controlled.

LAWS REFERENCE AND WARRANTY

Each Atena false ceiling is produced for internal use according to the technical rules for construction NTC 2008, and the specific regulations UNI EN 13964, 14195:2005.

Each Atena S.p.A. product has its own DOP (Declaration Of Performance) CE according to the European Law 305/2011.

False ceilings and claddings for internal and external use have to be dimensioned on environment features, to list some of the possible examples: earthquakes, wind, thermal expansion, place of installation, use destination of the building and project requests.

Independently by information, suggestions, advices and technical opinions exchanged between the parts, Atena S.p.A. will produce its products only according to the orders received and the technical drawings/projects attached, having no responsibility on what is not indicated in the order, in the technical drawings or in the project.

Atena S.p.A., as producer, is responsible for manufacturing defects. Complaints have to be presented according to the selling conditions. Materials used for Atena false ceilings have been produced just with this purpose, every other use is considered improper.