

Installation Instructions



SoundScapes® Canopies

DO NOT REMOVE BAFFLES FROM THE CARTON UNTIL YOU HAVE READ THESE INSTRUCTIONS IN THEIR ENTIRETY.

1. GENERAL

1.1 Product Description

SOUNDSCAPES® Canopies are pre-formed acoustical panels available in either Hill or Valley configurations and suspended with cables.

1.2 Materials and Finishes

SOUNDSCAPES® Canopies consist of pre-formed and pre-curved layers of GlassWool with durable acoustically transparent membrane on all exposed surfaces.

There are 6 standard colour options for the finished panels. Field painting is not recommended and will void product warranty.

1.3 Storage and Handling

The ceiling components shall be stored in a dry interior location and shall remain in original cartons prior to installation to avoid damage. The cartons shall be stored in a flat, horizontal position. Proper care should be taken to locate the Suspension Hanging Kit, included within the carton. The panels should not be removed from their carton and the plastic film and protectors around the panels should not be removed until installation is complete. Proper care should be taken when handling to avoid damage and soiling.

1.3.1 Precautionary Measures: During the installation, be certain that the work site is well ventilated and avoid breathing dust. If high dust levels are anticipated during installation such as with the use of power tools, use an appropriate NIOSH designated dust respirator. Avoid contact with skin or eyes. Wear long-sleeve, loose fitting clothes, gloves, and eye protection.

1.4 Jobsite Conditions

Before SOUNDSCAPES® Canopies are installed, they should be permitted to reach room temperature and have stabilized moisture content for minimum of 24 hours before installation. Panels must be protected against damage from moisture, direct sunlight, surface contamination, and other causes. Building areas to receive canopies shall be free of construction dust and debris.

1.5 Temperature and Humidity During Installation

The product can be installed up to 30°C. It cannot be used in exterior applications, where standing water is present, or where moisture will come in direct contact with the canopy.

Installation must not be carried out in areas in excess of 90% RH. Following practical completion, conditions must be maintained below 70% RH.

1.6 Fire Performance

SOUNDSCAPES® Canopies conform to BCA Spec. C1.10 and tested to AS/NZS 5637.1: 2015 – "Group 1".

As with other architectural features located in the ceiling plane, the Canopies may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a fire protection engineer, and their local codes for guidance on the proper installation techniques.

2. COMPONENTS

2.1 Canopies

SOUNDSCAPES® Canopies panel is nominally 1870 x 1181 x 30mm with panel Arc of 3277mm radius. The Canopy panel can either be configured in either Hill or Valley position.

2.2 Suspension System

SOUNDSCAPES® Canopies are suspended with cables. Complete suspension cable kits are supplied with each canopy. They consist of four 4880mm long cables per canopy and hardware that attaches the cables to the canopy and structure with an adjustable gripper to easily set the proper elevation. Note: Anchor to structure not provided.

3. INSTALLATION

3.1 General

Canopies must be installed a minimum of 460mm apart. Lipping may be visible in installations closer than 460mm.

After opening the product carton, and before installation, be sure to locate, remove and set aside the hardware kit before proceeding.

SOUNDSCAPES® Canopies require two people to handle each panel safely, to minimize damage and provide panel support during installation. **DO NOT REMOVE THE CANOPIES FROM THE CARTON** until step 3.3.2 of the installation process. Make all the connections while the product is still in the carton. Do not remove the plastic film or canopy edge protectors until the panel is installed.

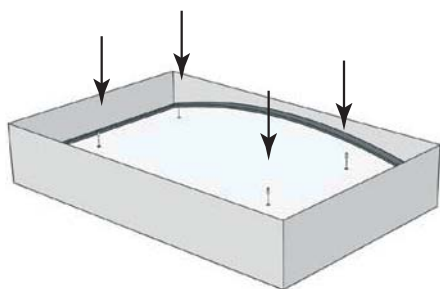
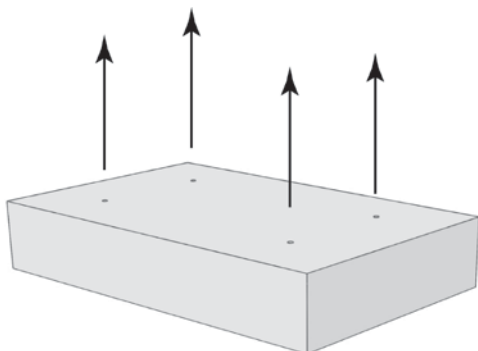
SOUNDSCAPES® panels cannot be cut, drilled or altered in any way. The canopy must not be used to support any other material. The cable suspension system must be fastened to the structure and cannot be hung from any commercial ceiling system. SOUNDSCAPES® panels are not approved for exterior application.

3.2 Suspension Cables

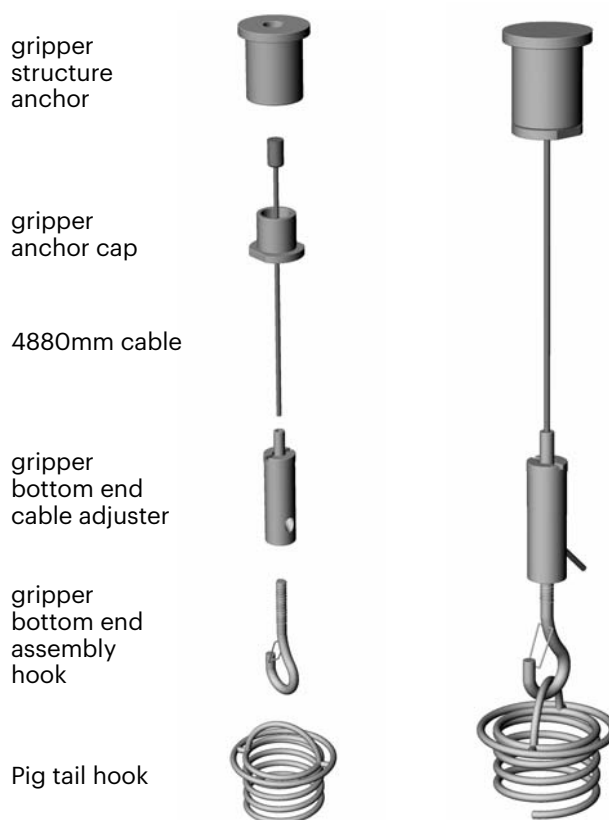
Canopies must be installed with four suspension cables.

3.2.1 Cable Attachment to Structure

1. Use measurements from panel Plan Views illustration on page 3, to locate anchor points at the structure.



2. Attach the gripper structure anchor to the structure with a fastener that will carry the full weight of up to a 10 kg canopy. The top of the gripper anchor has a 1/4"-20 threaded hole for use with a 1/4"-20 bolt, or you can use a standard wood or sheet metal screw through this hole for proper attachment to structure.
3. Insert the end of the cable into the gripper anchor cap.
4. Screw the gripper anchor cap completely into the gripper structure anchor.



3.2.2 Pig Tail Hook Attachment to Canopy

1. Remove packaging from top of canopy and pull back plastic film.
2. Measure and mark the position for the fitting each of the 4 Pigtail Hooks as per illustration.
3. Attach each of the 4 Pig Tail Hooks by twisting in a clockwise motion until the last ring of the Pigtail is flush with the back face of the Canopy (see illustration).

Note: Do not over-screw Pigtail Hook into panel as damage to face of panel may occur.

3.2.3 Insert Suspension Cables

1. Move the carton to the approximate location of the installation.
2. Keep the boxed canopy on a flat surface to support the carton.
3. Insert a suspension cable into the top of the gripper cable adjuster at all four corners (see right).
4. Insert the gripper hook into the bottom of the cable adjuster.
5. Attach gripper bottom end assembly to Pig Tail hook.
6. Gently pull the cable through the cable adjuster until all the slack is removed.
7. Do not remove the canopy corner protectors.

Pig Tail Hook Installation



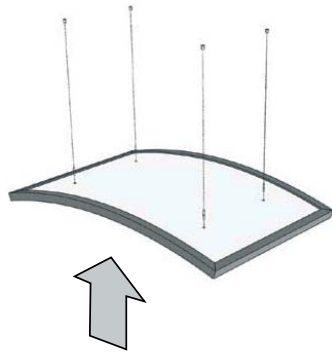
3.3 Suspend the Canopy

Canopies must be installed so the lowest point is a minimum of 2300mm above the finished floor.

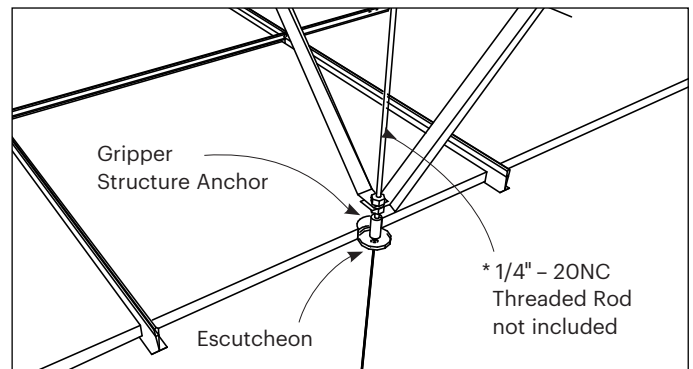
1. Suspending the canopy requires two people.
2. Make sure your hands are clean or wear white cotton gloves.
3. Raise the panel and gently pull the cable(s) to take up the slack.
Do not pull the cables to raise the canopy under full panel weight. Cable damage will occur.
4. Continue to raise the canopy until at the required height.
5. Canopies can be installed up to a 45 degree angle in either direction.
6. To lower the canopy, take the weight off the cable(s), depress the plunger on top of the cable adjuster and lower the canopy. Release the plunger to lock the cable into the adjuster. Adjust panel height as desired.

IMPORTANT SAFETY AND QUALITY NOTE: Do not allow any portion of the cable to drop below the canopy while adjusting the final panel height. To do so could cause injury to the installer or damage to the edge of the panel.

7. After the panel height is correct, cutoff excess cable leaving about 25mm remaining out the cable adjuster.
8. It is recommended to keep the edge protection and plastic film on the canopy until all canopies are installed and other trades have finished in the area. This will keep the panel clean and minimize edge damage.



3.4 Installing the canopy below an existing ceiling



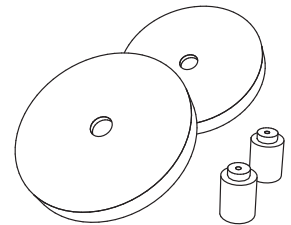
Canopy suspension cables should not impose any lateral force on an existing ceiling.

1. The structure gripper anchor must be mounted to a support at or above the existing ceiling.
2. Use 1/4" – 20 threaded rod attached to structure to secure the structure gripper anchor at the correct height.
3. Use diagonal bracing to structure top to provide support.
4. Use the optional escutcheon accessory kit to conceal the structure gripper anchor when installed above the ceiling level.

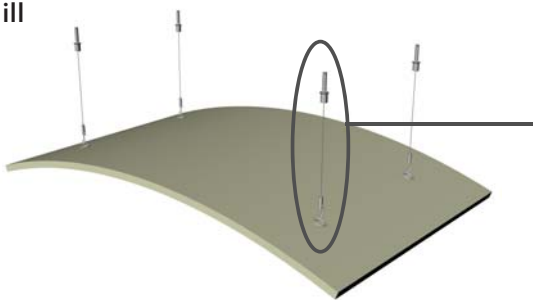
Escutcheon Kit BP7006

- (2) Collars with set screws
- (2) Escutcheons (2")

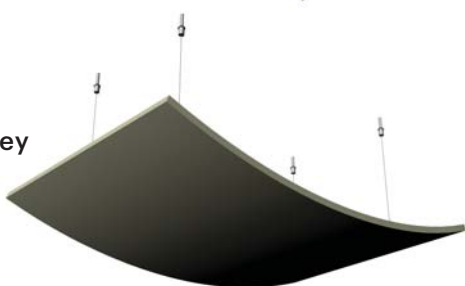
Note: Two kits are required for each canopy



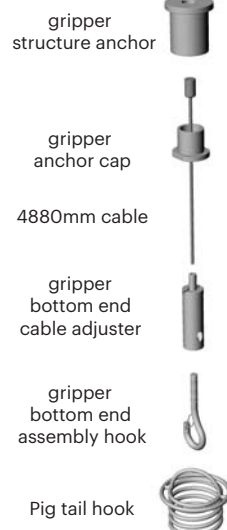
Hill



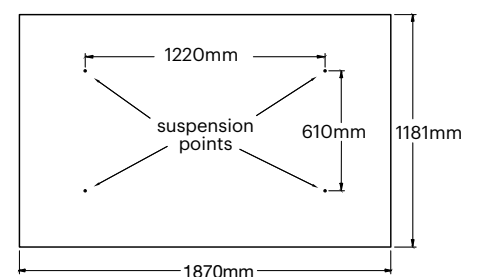
Valley



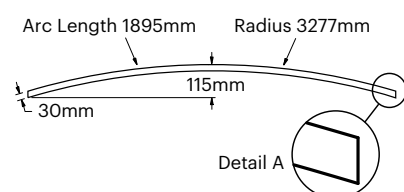
Suspension Hanging Components



Plan View



Elevation View



4. CUTTING & FINISHING PANELS

It is not recommended to cut and refinish panels on site.
Special sizes may be ordered to suit project requirements.
If panels must be cut, follow points 1-3 below

1. Apply Bond Crete to seal the exposed cut ends of the Baffles and allow to dry
2. If required it may need a light sand with a fine sandpaper to remove any exposed fibres
3. Apply touch up paint to the newly cut and sealed Baffle ends

5. CLEANING

Use a clean, dry, soft white cloth to wipe off any dirt or finger prints. Regular light dusting of the top side of the Baffle is recommended.

MORE INFORMATION

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call your local Armstrong Ceilings representative.

For the latest product selection and specification data, visit armstrongceilings.com.au

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