



## SunSolutions Robusta Crank Operated Retractable Awning System for Large Windows

The Robusta large drop arm window awning is a rugged and versatile retractable window awning that can be operated by manual hand crank( interior or exterior) or motorized control. The spring-tensioned arms can be lowered from a retracted position to within an amazing 15 degrees from vertical for low angle sun protection.

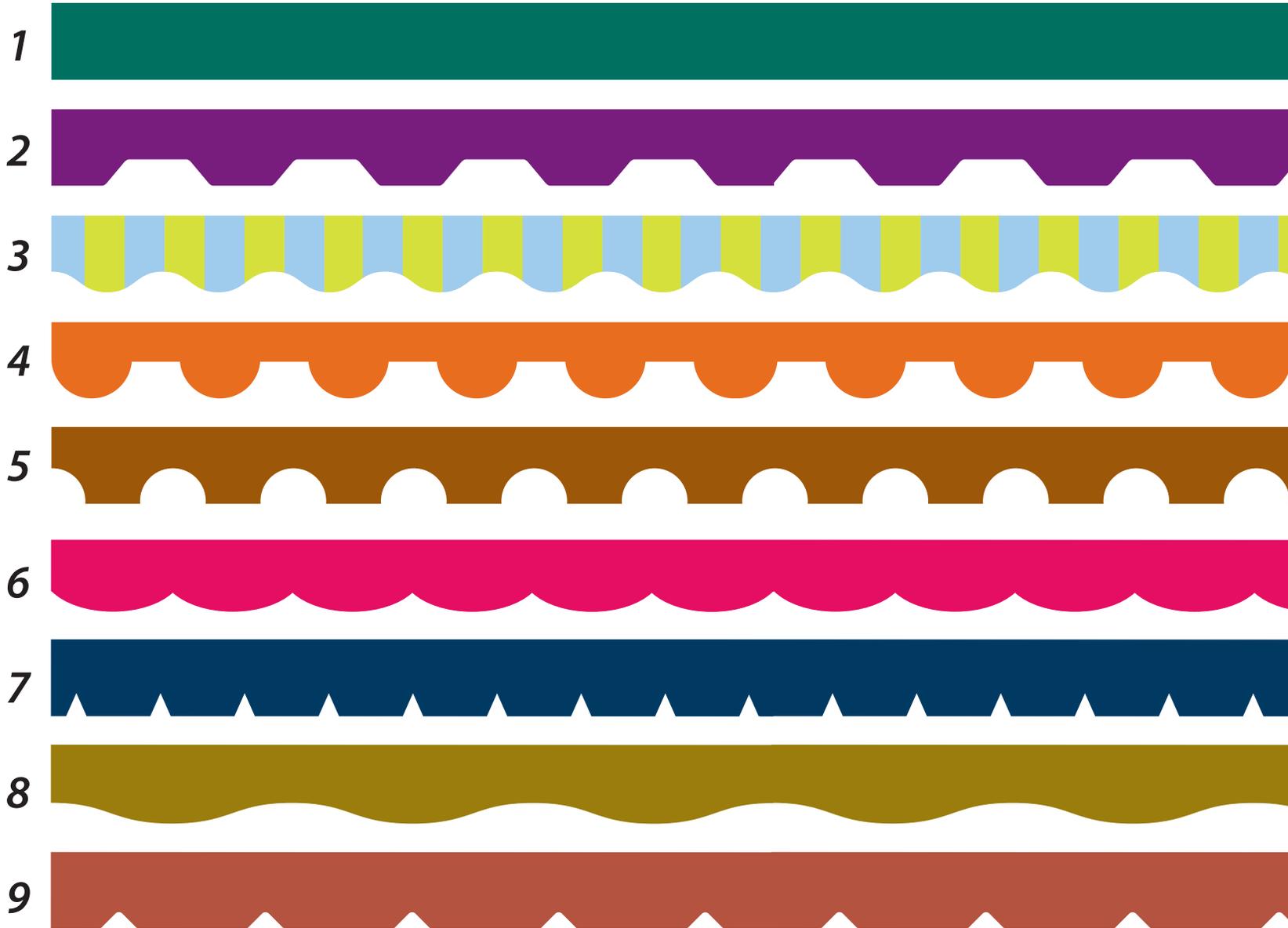
The Robust components allow for wide width applications that can span up to 25' or more. A heavy gauge stylish aluminum hood is also available for protection on the fabric and mechanisms.



### PRODUCT SPECIFICATIONS

<b>Linear Width</b>	5'0" – 25'0"
<b>Projections</b>	2'6" – 5'0"
<b>Frame Finish</b>	Polyester Powder Coated
<b>Frame Colors</b>	White <input type="checkbox"/> Ivory <input type="checkbox"/> Sand <input type="checkbox"/> Bronze <input type="checkbox"/>
<b>Mounting Options</b>	Wall or Soffit
<b>Roller Tube</b>	70 mm, 78mm
<b>Projection Arms</b>	Spring Loaded
<b>Pictch Adjustment</b>	0° - 160°
<b>Fabric Protection</b>	Optional Hood
<b>Mode of Operation</b>	Manual Gear, Somfy Motor
<b>Fabric Options</b>	Sunscreen and Awning Fabrics

## Valance Styles





## Safety Precaution

### Motors

Retracting and extending the sun control system several times in quick succession may activate the thermal cutout switch that prevents the motor from overheating. After it has cooled down, the motor will reactivate itself again.

### Gears

Do not apply excess force when turning crank in order to avoid damage to gear or eyelet.

### Electrical

Only individuals qualified and licensed should perform the electrical installation on behalf of the customer. All circuits should be properly grounded and a drip loop is required to be formed in the motor cable to prevent water intrusion into the head of the motor.

### Lateral Arms

Lateral arms are under significant spring tension and can be dangerous if not handled properly. Never attempt to take an awning apart to service or replace the fabric without first securing the arms to prevent them from opening violently.

- Do Not allow standing water to accumulate on your awning. Use a soft broom and gently push upwards from underneath the awning to push the pool of water off. Water accumulation may cause the fabric to stretch and may add extra weight causing the metals bars and arms to bend or break under the load. If you live in an area that experiences frequent rainfall, ask your dealer about changing the pitch of your awning when installing.
- Do Not operate your awning in freezing weather. If the unit is frozen, wait until it thaws out naturally before retracting. Your awning is not designed to carry the weight of snow when extended. Keep the awning retracted when snow or freezing rain is anticipated.
- Do Not expose the system to direct flames and hot temperatures. Grease and smoke may coat and discolor the fabric. If your awning has not been used for a long while and especially if the weather has been cold, moving parts and springs may creak. A silicone spray lubricant carefully applied to moving parts will help eliminate some of the noise quickly. As the awning "breaks in" the fabric may stretch somewhat requiring that the limits be reset so as to maintain the proper tension on the fabric.
- Do Not leave shrubby vines and tree branches on the awning. Plants can contain an acid that may be harmful to your fabric. During operation of the awning, be aware of your surroundings and potential obstructions.
- Do Not spray insect repellent on the fabric. Some solutions may impair the water repellency of the fabric and cause staining.
- Do Not wash the fabric with harsh or strong solutions such as bleach. Avoid scrubbing with abrasive cleaners.
- Do Not force or pull on your awnings when adjusting pitch or during normal operations.
- Do Not allow foreign materials, leaves, twigs, dirt, or other articles to remain on the awning.
- Do Not attach lights or flower pots to the awning frames.

## Care & Cleaning

### Maintenance

**abc Sun Control** manufactures awnings and screens from the highest quality materials. Taking a few simple steps can add to the life and appearance of your product. Should your awning require deep cleaning and/or re-treatment, an authorized dealer will be able to recommend a certified awning care specialist.

### Instructions for Cleaning

- Always keep your awning and screens clean. The normal awning fabric we use is mildew resistant, however, if dirt or other foreign materials are left to accumulate on the fabric, mildew damage to the material is possible.
- Wash the topside of your awning by gently rinsing with a garden hose always keeping water stream away from the motor end of the product. If necessary, use a soft brush/broom or cloth and a mild non-detergent, non-bleach soapy solution. The manufacturers of the fabric recommend light cleaners that are diluted in water such as Ivory Flakes or Woolite. After cleaning, careful and thorough rinsing should be done and the awning left out to dry in normal warm weather conditions.
- Clean the underside of awnings by gently brushing with a soft brush/broom.
- Any time anything more than a gentle scrubbing is required, you may be removing the waterproof coating on the fabric. Dirt and mildew will begin adhering to that spot. To prevent this, apply a spray of water-repellent coating such as 303 Hightech Fabric Guard after it has been cleaned. Spray cans of this waterproofing solution are available at most hardware store.
- On clear vinyl material, flush thoroughly with water to rinse away environmental abrasives. Wash with a mild soap solution or Icar Cleaners and Protectant. Do not use Simple Green or Pine Sol or any other harsh cleaner as they will dull the surface. Apply the soap solution with a clean soft cloth followed by a thorough rinse with water. Allow vinyl to dry completely prior to rolling the fabric up. This process should be done monthly. A clear vinyl conditioner/polish can be applied to the surface to extend the life and transparency of the material. These conditioning products can be purchased from marine stores.