

# InstaShade



## ECLIPSE v2 Cantilever Umbrella

### OWNER MANUAL

# Eclipse v2

[www.instashade.co.uk](http://www.instashade.co.uk)

## **ECLIPSE v2 CANTILEVER UMBRELLA**

Congratulations on purchasing your Eclipse v2 cantilever umbrella. The Eclipse is manufactured using the best materials and fabrics and is designed to give you many years of use and enjoyment. The following information is to inform you of how to operate your Eclipse umbrella to ensure trouble-free use and ease of operation.

Please follow these instructions as they are designed to assist you in operating the umbrella and prolong the life of the various parts.

## **GENERAL INFORMATION**

Your Eclipse Umbrella is principally intended for use in low to moderate wind conditions and will provide you with many hours of protection from the sun and light rain. You will get maximum benefit from your umbrella when you use it in accordance with our instructions and in the weather conditions for which it was designed.

- Do not leave umbrella open when unattended, particularly in windy conditions.
- Umbrella should be closed and securely strapped in strong winds and adverse weather conditions.
- Any modifications to your umbrella, except those made by Instashade may invalidate the warranty.
- Make sure your umbrella is dry and clean prior to storing away for extended periods of time to prevent mould from developing.
- Inspect the installation fitting / base periodically and tighten if required.

## **ECLIPSE v2 CANTILEVER UMBRELLA**

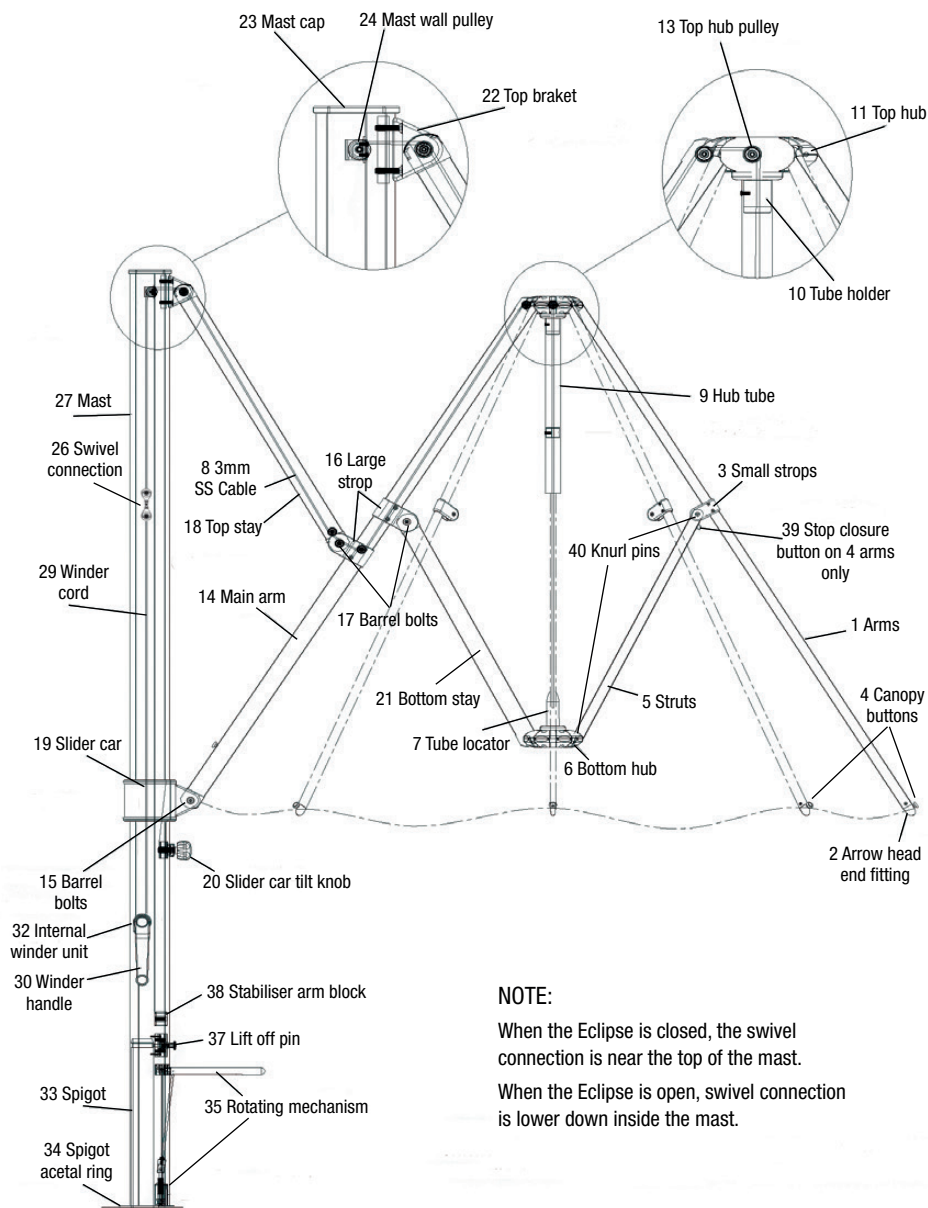
Simple maintenance instructions:

- (1) If you have a cover bag it is recommended to use it whenever the umbrella is closed. This will greatly extend the life of the canopy.
- (2) In coastal or metropolitan environments it is beneficial to periodically wash your umbrella using fresh water from a hose. This includes the canopy and frame.
- (3) Should the 16 rotating mechanism stop pin holes become filled with sand or dust etc. then remove the umbrella and take out the spigot. Clean out the 16 rotational locking holes and apply some grease or lubricant. This will be a two man job.
- (4) When the umbrella will be closed for longer periods of time, then it is best to fold the acrylic canvas canopy, as shown in "To close Eclipse umbrella (pg7)". This will prolong the new look of the canvas and prevent marking caused by "pinching" in the aluminium frame over time.

## **CARE & CLEANING OF ACRYLIC CANVAS FABRIC**

- Proper care and cleaning should be taken to ensure the life of outdoor fabrics. For regular care and maintenance, excessive dirt should be brushed from the fabric using a soft brush; the fabric should then be sprayed with water (i.e. garden hose) and air-dried. Periodically the fabric should undergo a more thorough cleaning, again, brush fabric with a soft bristled brush, spray with water (not exceeding 100°F / 40°C), then apply a gentle natural soap,(i.e. Morning Fresh). Rinse thoroughly and air-dry.
- Fabric should never be stored while wet, always ensure fabric is thoroughly dried before storing for extended periods.
- Any early signs of mould and mildew must be removed immediately.

## ECLIPSE v2 PARTS IDENTIFICATION



### NOTE:

When the Eclipse is closed, the swivel connection is near the top of the mast.

When the Eclipse is open, swivel connection is lower down inside the mast.



## ECLIPSE v2 PARTS IDENTIFICATION

- 1 Arms
- 2 Small end fittings for canopy screw
- 3 Small strops (knurl pin not included)
- 4 Canopy buttons
- 5 Struts
- 6 Bottom hub
- 7 Tube locator
- 8 3mm Stainless Steel cable
- 9 Hub tube
- 10 Tube holder
- 11 Top hub
- 13 Top hub pulley
- 14 Main arm
- 16 Large strop (aluminium)
- 17 Barrel bolts
- 18 Top stay
- 19 Slider car
- 20 Slider car tilt knob
- 21 Bottom stay
- 22 Top bracket
- 23 Mast cap
- 24 Mast wall pulley
- 26 Swivel connection
- 27 Mast
- 29 Winder cord
- 30 Winder handle
- 32 Internal winder unit (including rope)
- 33 Spigot
- 34 Spigot acetal ring
- 35 Rotating mechanism (completed set)
- 37 Lift off pin
- 38 Stay block (black slider fitting in mast)
- 39 Spacer buttons with screw (4 arms only)
- 40 Knurl pin

## TO OPEN THE ECLIPSE v2 UMBRELLA

- 1 Remove the strap from the canopy.
- 2 Gently spread the canopy arms open with your hands (refer Figure A).
- 3 Ensure the slider car knob is loose and slider car can move freely (refer Figure B). Insert the winder handle (30) into the hole on the side of the mast and rotate it in a clockwise direction.
- 4 Continue winding until the canopy is fully open. The bottom hub (6) will be seated into the hub tube (9) and the edge of the canopy should be tight (refer Figure C).  
Note: The winder handle will become a little harder to wind as the umbrella nears fully open. This is normal particularly when the canopy is new.
- 5 Once the canopy is fully opened hold the slider car knob (20) and push the slider car up until the canopy is at the desired tilt angle. Tighten slider car knob (20) clockwise to secure the umbrella at that angle.
- 6 The tilt angle of the canopy can be adjusted as required at any time by loosening the slider car knob (20) and sliding the slider car up and down the mast.

**IMPORTANT:** The slider car knob (20) must be done up tightly, especially when used in higher winds.

**NOTE:** The optimum strength of the umbrella is reached only when the slider car is at its maximum height and the umbrella canopy edge is horizontal to the ground. The strength of the umbrella is lessened when the canopy is in an angled position.



**Figure A**

Gently spread the canopy arms open



**Figure B**

Ensure tilt knob is loose (turn anti-clockwise) when opening and closing umbrella



**Figure C**

Edge of canopy should be tight

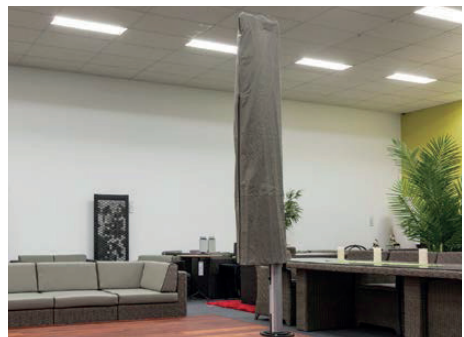
## TO CLOSE THE ECLIPSE v2 UMBRELLA

- 1** Turn the slider car tilt knob (20) anti-clockwise until loose.
- 2** Rotate the winder handle (30) in an anti-clockwise direction. The canopy will begin to collapse. Continue winding in an anti-clockwise direction until the canopy is mostly closed and the canopy arms are pointing almost vertically down to the ground.
- 3** Hold the slider car tilt knob and pull the slider car down the mast towards the ground. The canopy should now be fully closed. Reach around with one arm and pull the canopy back towards the mast to complete closing.
- 4** Fold the canopy neatly when storing for a longer period of time to reduce the risk of getting marks on the canvas from rubbing against the umbrella frame. To do this stand in front of the canopy and find the front four panels of fabric. Pull these together towards your body and then roll all four panels together back towards the umbrella frame. Hold the rolled panels with one hand, while grabbing the fifth panel folding it over the roll to hold it in place. Alternate folding over remaining panels from left to right with the sixth, seventh and eighth panel.
- 5** Secure folded panels in place with the canopy strap, wrapping it around the mast and canopy. Gently push the folded canopy back against the mast so that it is compact.
- 6** **FITTING THE OPTIONAL COVERBAG:** Stand in front of the folded canopy and open the coverbag zip completely. Use the handle rod to lift the coverbag behind the mast and up as high as possible to clear the top of the umbrella. Pull the coverbag down over the top of the mast and canopy. Zip the coverbag closed. The zip should be on the front side of the canopy, not at the back of the mast.



**Figure A**

Ensure tilt knob is loose (turn anticlockwise) when closing umbrella.



**Figure B**

Fit the cover bag over mast and frame and zip up

## TO ROTATE THE ECLIPSE v2 UMBRELLA

There are 16 rotational locking holes in the spigot. These location holes are found at every 22.5 degree interval around the spigot plate. They are located where indicated on the top of the spigot base and are under the nylon indexing shield (34) which acts as a dust cover for the holes not in use.

- 1** Pull the rotation lift handle (35) out from the mast cavity (refer Figure A).
- 2** Lift up on the handle and feel the resistance from the spring that houses the rotating lock pin.  
**WARNING:** In lifting this handle you are not attempting to lift the whole umbrella, rather just the spring on the rotating lock pin that locates the rotation lock pin.
- 3** By using the rotating lift handle (35) as a lever you may rotate the umbrella on the base (refer Figure B) until you arrive at the new required position.
- 4** Each position is marked by a notch on the spigot plate. Align the indicator arrow with a notch (refer Figure C). Once aligned with a notch, lower the rotating handle down to locate the rotating lock pin.  
**WARNING:** Do not force the rotating handle down if the indicator arrow is between notch positions. The rotating handle should close down easily. If any resistance is encountered do not force it, rotate the umbrella further slightly to locate the correct hole position.



**Figure A**  
Lift rotation handle



**Figure B**  
Rotate the umbrella by using the handle



**Figure C**  
Align the indicator arrow with a notch

## TO USE YOUR (OPTIONAL) STABILISER BARS KIT

Your Eclipse cantilever umbrella can be fitted with an optional “stay kit” to assist its performance in a wider range of wind conditions.

**Note:** *The Eclipse umbrella does not need to be fitted with the stay kit for normal operation in calm to moderate wind conditions. However for higher wind environments or for commercial applications it is advisable to fit the stay kit to add stability to the umbrella.*

### To install stay kit:

- 1** Slide the stabiliser arm block (38) up the internal mast housing to a height roughly the same as the height of the stabiliser bars when standing vertical (refer Figure A).
- 2** Attach the threaded stainless screw (with the two aluminium stays attached) to the stay block in the mast and tighten the screw sufficiently for the stay block to remain in position without sliding down the mast (refer Figure B).
- 3** Swing either aluminium stay arm off the ground and attach to the umbrella arm using the “T-lock”. Position the T-lock to vertical and slide it through the hole in the plastic fitting at the end of the stabiliser bar (refer Figure C). Set the T-lock to horizontal to lock the bar in place (refer Figure D). You can use the black “screw in” fittings that are supplied as an alternative to the “T-lock” fixings if you prefer.
- 5** You may need to loosen the central threaded stainless screw and adjust up or down the mast for the stabiliser arms to reach the “T-locks” on both sides of the umbrella. Once both stabiliser arms have been attached then tighten the central threaded stainless screw to lock in position. (refer Figure E - stay kit correctly fitted).

**CAUTION:** Do not over tension as this may distort the umbrella arms. Reverse the process to remove the stay kit. The stay kit must be removed to close the umbrella or tilt the canopy. **IMPORTANT:** Your Eclipse umbrella, even when fitted with the stay kit, is not a permanent, all-weather structure. The umbrella should be closed and folded when not in use and never left open when unattended or in strong winds.



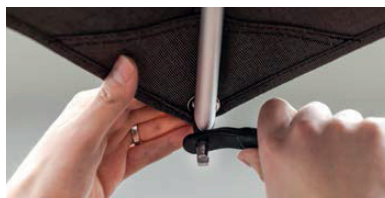
**Figure A**

Slide stay block up mast



**Figure B**

Screw stays into stay block



**Figure C**

Slide end of stay arm over T-lock



**Figure E**

Umbrella with stays attached

## INSTALLATION PROCEDURE

Your Eclipse umbrella comes fully assembled in the box that it is delivered in. There are three different ways to install your Eclipse umbrella:

- 1. Installing on a timber deck using a base plate.**
- 2. Installing on an existing concrete slab using a base plate.**
- 3. Installing into the ground (ie into a lawn, garden or paved patio) using an in-ground fitting.**

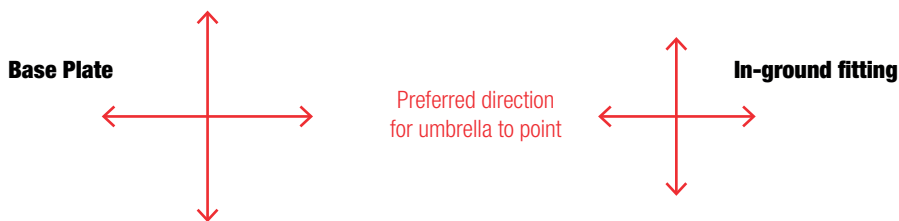
Prior to installing your installation fittings please read the important information below.

### Correct alignment of installation fittings

Your Eclipse umbrella can rotate 360 degrees and be locked in 16 different locations. This means that every 22.5 degrees of rotation there is provision to lock the umbrella. In most situations there will be a preferred area over which you will predominantly want shade. To ensure you have the ability to shade your preferred location you must have one of the 22.5 degree rotation locking holes in line with this position. Please have a look at the underside of your spigot to see these 16 locking holes.

There is a locking hole in line with each of the 4 spigot bolt holes in the spigot plate. There are also three intermediate holes between each of the spigot bolt holes and these are marked with an indicator mark on the top of the spigot plate.

To point your umbrella in the perfect direction or to have a symmetrical installation (especially when installing square umbrellas) it is very important to make sure you install the base plate or in-ground fitting square to the direction that you predominantly want the umbrella to point.



### Installing your base plate or in-ground fitting

There are three different ways to install your Eclipse umbrella. Select the installation method from the following pages for the relevant instructions.

## 1. INSTALLING ON A TIMBER DECK USING A BASE PLATE:

To install your Eclipse umbrella onto a timber deck the following installation instructions should be followed.

To install a Eclipse onto a timber deck you will need a base plate and deck bolts, a decent drill, scrap timber to use to make a reinforcing “nog” and suitable fixings to secure the nog to the deck joists.

Your umbrella must be bolted down into a reinforced “nog” that is fixed under the deck planks to the deck joist. The umbrella must not only be fixed to the deck planking as this will likely result in the deck planks “pulling up” and the umbrella falling over in high winds.

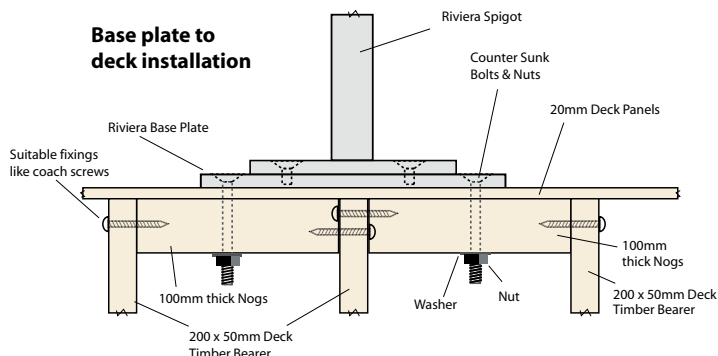
Once you have decided on the location of the umbrella/base plate **(IMPORTANT: Please ensure you have first read “correct alignment of installation fittings” on page 10)** then use the 4 x outer holes in the base plate as a template to start drilling each of the holes in the deck. Make sure each of the 4 x holes go through decking and miss the joists.

Using the 4 x holes drilled in the deck as a guide, you now need to install a reinforcing nog/brace hard up under the decking for the base plate bolts to be fixed into. It is recommended that two timber “nogs” or “braces” be secured between the deck joists or bearers that form the structural frame of the deck. Ideally the nog/brace should be two short lengths of 100 x 100mm timber posts side by side, or alternatively two pieces of 200 x 50mm timber joists sandwiched together to form a 200mm wide x 100mm deep nog/brace for the umbrella base plate to bolt through to. The nog/brace must then be securely fixed to the deck frame/ joists using suitable fixings. These may be large galvanised nails, coach screws or builders brackets etc. If the installation is in a sea spray zone or coastal environment then stainless steel fixings should be used.

You can now use the 4 x holes already drilled in your decking and drill them all the way through the newly installed nog/brace under the decking. Then put the base plate in place and install the 4 x supplied 10x150mm stainless steel bolts through plate, decking and nog. Put the washer and nut on the bolt under the deck and wind on the nut until very tight.

After the base plate has been securely fixed to the deck you should now remove the 4 x “grub bolts” that are installed in the 4 x spigot bolt holes. The purpose of these grub bolts is to keep dirt out of the threaded holes when not in use. Then lift the Eclipse umbrella and spigot up and on top of the base plate. It will take two people to complete this. One person can hold the umbrella in the upright position while the second person finds and locates the 4 x holes for the spigot bolts. Start off by putting in all 4 x spigot bolts loosely by hand. Once all 4 x spigot bolts are in then you can use the supplied allen key to do them up tightly.

Now you can carefully open your umbrella for the first time.





## 2. INSTALLING ON AN EXISTING CONCRETE SLAB USING A BASE PLATE:

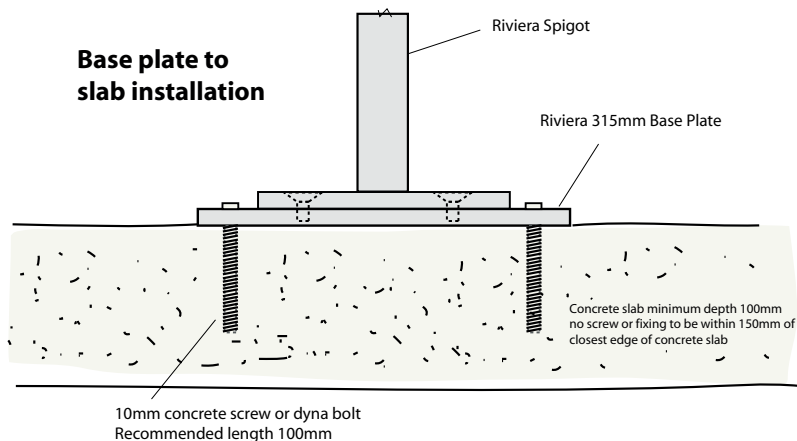
To install a Eclipse onto an existing concrete slab you will need a base plate, suitable concrete bolts, a drill with masonry drill bits, a socket set and a level. You will also need the concrete to be about 100mm deep.

Once you have decided on the location of the umbrella/base plate (**IMPORTANT: Please ensure you have first read “correct alignment of installation fittings” on page 10**) then use the 4 x outer holes in the base plate as a template to start drilling each of the holes in the concrete. Drill each of the four holes using a hammer drill with an 8mm masonry drill bit down to a depth of about 110mm. This allows space for the 100mm bolt if dust falls to the bottom of the hole.

Once all 4 x holes have been drilled, put down the base plate over the holes ready to put the bolts in, then use a level to ensure the base plate is as level as possible. Use galvanised or stainless steel washers to pack up the base plate until it's level. Then use a socket set or spanner to wind in each of the four 8mm x 100mm concrete screws through the base plate and washers until they are fully wound in and very tightly holding the base plate.

After the base plate has been securely fixed to the concrete you should now remove the 4 x “grub bolts” that are installed in the 4 x spigot bolt holes. The purpose of these grub bolts is to keep dirt out of the threaded holes when not in use. Then lift the Eclipse umbrella and spigot up and on top of the base plate. It will take two people to complete this. One person can hold the umbrella in the upright position while the second person finds and locates the 4 x holes for the spigot bolts. Start off by putting in all 4 x spigot bolts loosely by hand. Once all 4 x spigot bolts are in then you can use the supplied allen key to do them up tightly.

Now you can carefully open your umbrella for the first time. Open up the umbrella part way and get up inside the umbrella to remove any protective packaging. Once the packaging is removed then your Eclipse umbrella is fully installed and ready to use. Now you can sit back, relax and enjoy!





## 3. INSTALLING INTO THE GROUND USING AN IN-GROUND FITTING:

When installation is required in-ground into soil or sand etc. then an in-ground fitting must be used. This is a galvanised steel fitting which must be concreted into position.

Once you have decided on the location of the umbrella/in-ground fitting **(IMPORTANT: Please ensure you have first read “correct alignment of installation fittings” on page 10)** then you will need to dig a hole in that location for a concrete footing to be installed.

Where terrain differs from thick clay to sand or fine soil then a different sized footing hole must be prepared and a different volume of concrete used. As a guide only; a hole 40cm wide by 70cm deep is recommended for heavy clay terrain. If installing the fitting into topsoil or sand you will need a larger hole and more concrete. We would recommend doubling the volume of the hole, however it's best that you seek appropriate advice from a builder for your specific circumstances.

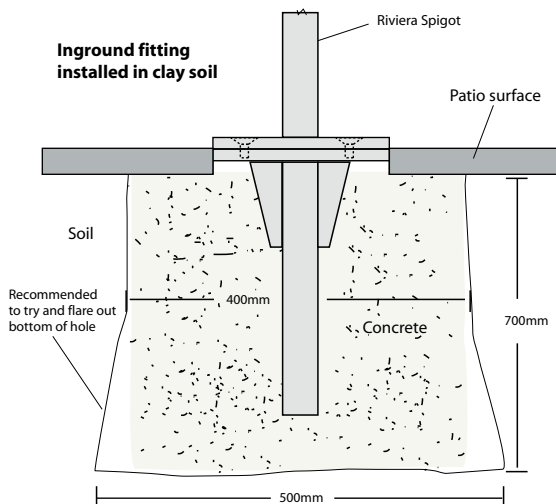
Before you get started with the concrete we recommend that you ensure the small “grub bolts” are installed into the 4 x spigot bolts holes on the in-ground fitting and also put tape over the top and bottom of the 4 x holes to ensure that no concrete slurry gets into the threaded holes.

When pouring the concrete it is advisable to insert a few lengths of reinforcing steel into the concrete to prevent any possibility of the concrete cracking in the future. Remember the depth of hole is more important than width, and it is much easier to make the hole large at the time of installation than to try and re-stabilise the in-ground fitting should it start to move at a later date.

If installing into a paved patio, then you may need to remove some pavers/tiles to facilitate the in-ground fitting and then have them cut and reinstalled back around the round in-ground fitting plate to give a tidy and flush installation.

When setting the in-ground fitting into concrete the top surface of the fitting should be at the same level as your patio surface so that if the umbrella is removed or relocated then the face of the fitting is flush. Also it's very important that the in-ground fitting plate is level. Use concrete to fill up the inside cylinder section of the in-ground fitting to avoid it from filling up with water later on.

After the in-ground fitting has been installed and the correct amount of time has gone by for the concrete to harden and “cure” then you can finally stand up your Eclipse umbrella on the fitting. Firstly you will need to remove the 4 x “grub bolts” that are installed in the 4 x spigot bolt holes in the in-ground fitting. Then lift the Eclipse umbrella and spigot up and on top of the fitting. It will take two people to complete this. One person can hold the umbrella in the upright position while the second person finds and locates the 4 x holes for the spigot bolts. Start off by putting in all 4 x spigot bolts loosely by hand. Once all 4 x spigot bolts are in then you can use the supplied allen key to do them up tightly. Now you can carefully open your umbrella for the first time.



## WARRANTY

### Thank you for your purchase from InstaShade

The benefits given by this warranty are in addition to all other rights and remedies in respect of the product which the purchaser has under Consumers Guarantees Act. Nothing in this warranty will exclude, restrict or modify any conditions, warranty rights or liability implied in this purchase or protected by law where to do so would render this warranty void.

### Warranty Terms:

The warranty on a Eclipse v2 umbrella frame is **three years**, and on the acrylic fabric canopy it is **five years**. The warranty covers faulty materials and faulty workmanship only. Wind damage is not covered by this warranty.

1. This warranty applies to the original purchaser only.
2. This warranty does not cover damage caused by wind or adverse weather conditions, fair wear and tear, accidents or misuse.
3. The umbrella must be installed as per the instructions provided in this manual.
4. In the case of installations, the owner is to ascertain position of all underground pipes and electrical wires and notify the installer of any obstacles. Although all care will be taken, no responsibility can be accepted for any damage during installation.
5. The warranty is valid only if the umbrella is opened and collapsed as per the instructions in this manual. It is highly recommended that you close and tie your umbrella when strong winds are expected. If strong winds are expected for a long period of time it is recommended that the umbrella be removed from its base and stored. When closing the umbrella for extended periods of time, the canopy must be folded in such a way as to avoid "pinching" of the fabric in the umbrella ribs/arms (refer to page 7). Wear and tear caused by "pinching" of the fabric by the umbrella framework is not covered under this warranty.
6. If the umbrella is to be transported, without the original packaging, then the canopy should be removed from the frame to avoid damage during transit.
7. This is a back-to-base warranty. In the case of repairs to the umbrella being required (regardless of whether the repairs are covered under warranty) the cost of transportation to/from InstaShade for any repairs is to be paid by the claimant.
8. This warranty is the only express warranty given by InstaShade. No person has the authority to change or

add to these obligations and liabilities without InstaShade approval in writing.

9. InstaShade reserves the right to determine whether or not fault is caused by faulty workmanship or material or that any part is defective. Where fault is determined, we reserve the right to repair or replace products at our discretion.
10. InstaShade or its authorised agent may offer advice, but accepts no responsibility as to the ultimate positioning of the umbrella.

**Our premium fabrics are manufactured from 100% solution dyed acrylic canvas and are guaranteed to:**

- Protect against rot, mildew and colour discoloration in normal conditions. It does not apply against any deterioration of any kind due to wind or weather related damage, misuse, burns, negligence, vandalism, perforations or stains due to environmental pollution, and fair wear and tear.
- Retain a colour-fastness rating of 7-8 on a 1-8 scale (meaning minimum fading) for a period of 5 years.



# InstaShade

**EXCLUSIVELY IMPORTED &  
DISTRIBUTED BY:**

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