



**Doréma**

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# Doréma

GEBRUIKSAANWIJZING / MANUAL-INSTRUCTIONS /  
AUFBAUANLEITUNG / INSTRUCTION D'INSTALLATION

NL UK DE FR



# FOREWORD

Congratulations for purchasing a new Dorema awning. We would like to thank you for choosing Dorema and wish you lots of enjoyable camping holidays.

You are always assured of simplicity of erection along with guaranteed durability of a quality manufacturer: we don't leave anything to chance. After all this is your holiday. With Dorema you can see the built in camping expertise. The best quality fabric, extra reinforced stress points, innovative in many ways and easy and quick to erect on every surface. Our continuing process of selecting the very best in raw materials, along with our commitment to modern technology and recruitment of experienced staff makes Dorema stands out with lots of practical camping comforts. In practice we keep this promise into every detail. It's not by accident that Dorema is the best sold awning in Europe, again and again satisfied customers choose this make that has more to offer for less money.

In this handbook you will find all sorts of important information about your awning. It's full of practical tips concerning the upkeep and service of your new awning. Of course we have included a step by step guide on how to erect your awning, as well as informing you of the various optional accessories to make your awning even more complete.

To prevent any problems we strongly advise you to read this handbook thoroughly before you start to erect your awning. We also strongly advise you to erect your awning at least once before you commence your holidays. If you have any questions or problems please don't hesitate to contact your supplying dealer.

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# 1. BEFORE YOU GO CAMPING

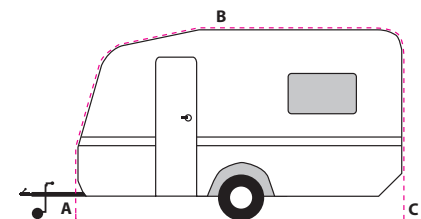
## 1.1 Introduction

Now that you own this beautiful Dorema awning, it is very important to check and prepare everything before you go on holiday.

## 1.2 Checking your awning size

With the assistance of your dealer you will have chosen your correct awning size. If you have any doubts please measure your caravan again before you take the new awning out of it's original packing. In the Dorema brochure you can find out how to get the exact a-measurement of the caravan. Please note that awnings that have been on a caravan can not be exchanged.

Measure your caravan as shown in the picture. The measurement from ground to ground A-B-C can then be checked with the chart to give you your awning size. If you are not sure please contact your Dorema dealer for further advice.



Seasonal Caravanners please note:

Dorema strongly recommend that anyone seasonally siting their awnings should measure the caravan on the seasonal pitch prior to ordering their awning, as this can change the size required. All measurements are in cm.

## 1.3 Standard equipment

Dorema awnings are supplied with standard pegs which are suitable for normal camping. Special pegs designed for other types of ground conditions, such as sand or rocky grounds, are available from your local caravan dealer. The standard ladder straps will ensure the correct tension is applied to the awning. Curtains, wheel arch cover and draught skirt will be found rolled into the canvas part of your awning.



**TIP: Before you go on holiday attach all ladder straps onto the anchor fittings of your awning this will save a lot of time when erecting the awning. resin damages the canvas.**

## 1.4 Frame

Inside your frame box you will find a frame diagram. On this diagram you will find all the various poles listed with part numbers. We advise you to accurately check the frame with this diagram and keep the diagram in a safe place afterwards.



**TIP: Keep your frame diagram in a safe place. With the help of this diagram you can easily order replacements for damaged or lost parts.**

To make things easier for yourself, we advise you to attach the enclosed adjusting clamps on the frame as per the enclosed diagram before you go on holiday. You can also already put the various telescopic frame parts together and bundle them into sections, this will make erecting the awning a lot easier.



**TIP: Before going on holiday we advise you to attach the adjusting clamps already on the frame, slide the telescopic parts into each other and make bundles of the corresponding frame sections as much as possible.**

## 1.5 Attaching the frame to your caravan

There are two ways to fix the frame to your caravan. You can either choose to use the plastic eyes or the Dorema Quick Lock pads, which are available as an optional extra from your dealer. The great benefit of the Quick Lock pads is that it eliminates the need to screw the plastic eyes onto your caravan. Besides this, the Quick Lock pad can be fixed at any desired position thus creating a perfect tension of the awning.

### Using the Quick Lock pads

Dorema have developed the Quick Lock pad to make attaching your awning to your caravan a simple and trouble free task. The Quick Lock pads need to be attached to the Quick Lock profile, which is a standard feature in every Dorema awning. The profile is grey in colour and is sewn on the inside of the roof next to the beading. After you have threaded the awning through the awning rail you can attach your Quick Lock pads to the Quick Lock profile. By unscrewing the large nut on the Quick Lock pad you are then able to position the pad in the desired position. The Quick Lock pads in



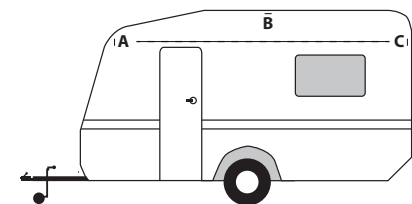
the two corner positions should be attached approximately 210 cm from the ground. The third Quick Lock pad should be positioned in the centre of the two corner pads. If your frame has five roof rafters two extra pads should be fixed between the centre pad and the corner pads. By tightening the large nut, the Quick Lock pad will be locked firmly onto the Quick Lock profile. Now it is easy to insert the roof rafter into the Quick Lock pad. By tensioning your roof rafter you will automatically push the flat part of the Quick Lock pad onto the caravan. Please ensure you have tensioned the frame sufficiently so that you create a stable construction.



**TIP: When you have attached the Quick Lock pad in the correct position it is useful to leave a small mark on the Quick Lock profile.**

### Using the Plastic eyes

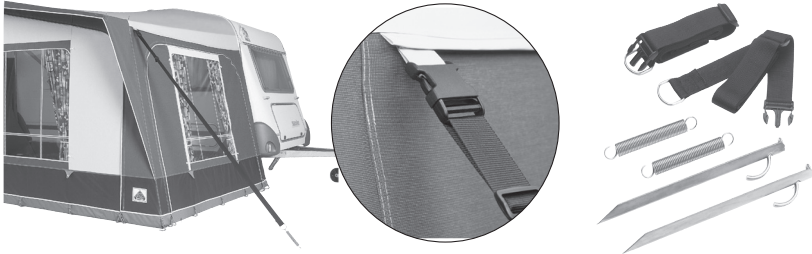
If you do not wish to use the Quick Lock pads it is essential that your caravan is fitted with plastic eyes. In case these plastic eyes are not yet fixed onto your caravan, you can use the supplied eyes and fix these with the help of the enclosed screws. To prevent leakage into the caravan skin it is advisable to use waterproof sealant beneath the plastic eyes. Depending on the type of frame you have, you need to fix 3 or 5 plastic eyes. Before you start to attach the plastic eyes to your caravan please ensure that your caravan is horizontal. Attach the plastic eyes as shown in the picture. The plastic eyes A and C are fitted approximately between 200 - 220 cm from



the ground. The centre eye should be fixed as shown in the picture (above point B). The measurement between A-B and B-C should be equal. Screw the plastic eyes parallel approximately 1 cm from the rail, so that the hooks on the frame can be attached without any obstruction. The possible two additional eyes should then be fixed between A-B and B-C.

## 1.6 The Safe Lock System

As from the 2003 season all Dorema awnings are equipped with two locking clips for fitting a storm strap. A set of two storm straps is available as an optional extra. The days that storm straps cause damage to the roof material are definitely gone with the new Safe Lock System.



In order to prevent any serious damage from happening to the awning canvas it is important that you always use the straps in combination with the springs. For the correct use of the system, fix the peg at about 30 cm distance from the side of the awning. The spring should then be fixed between the round shaped eye on the top of the peg and the oval shaped eye at the bottom of the strap. When tensioning the strap make sure that the spring is under medium tension.



**PLEASE NOTE: Do not leave the straps attached to the awning after using it, but always store them separately. Long term contact directly between the straps and the awning fabric or window material could cause permanent stains.**

## 2. ERECTING YOUR AWNING

### 2.1 Introduction

The erection of your awning or porch awning is a relatively simple task. For the experienced camper everything will be simple and straightforward, for the new caravanner it may seem a little complicated at first but after a few practice runs things should quickly drop into place. In the next few paragraphs we will provide clear instructions and other useful hints and tips which hopefully will make erecting your awning much easier.

Before starting to erect your awning, porch awning or annex we would like to point out that you have bought a product with a universal shape. Because of the big differences in shapes of new and older caravans, some styles of caravans will hold a better shape than others, we suggest you keep this in mind when looking at the final shape.

### 2.2 Instructions for erecting your awning

- 1) Put the caravan on a flat piece of ground completely horizontal in order to create the best possible tension of your awning.
- 2) Before you start to insert the awning into the caravan rail, you first need to check the rail for any sharp edges. In order to prevent any damage from happening to the awning always remove any obstructions. Also check for any sealant that may remain inside the caravanrail.
- 3) To prevent your awning from getting dirty, it is advisable to use a plastic foil on which you can place the awning on to. If necessary, clean the caravan rail in order to prevent any soiling.
- 4) After you have unfolded the awning, zip out all the removable panels. By removing these, sliding the awning through the caravan rail will become a lot easier. For further instructions of the use of the zips we would like to direct you to page 49 where detailed instructions of the zips are described.
- 5) You are now ready to insert the awning into the caravan rail. Feeding the white beading through the caravan rail is best done with two persons, by which one person pulls the awning along the caravan rail while the other person looks after the awning being fed correctly into the caravan rail. Make sure that the left and right pegging points are at the same height from the ground.
- 6) If you are using the Quick Lock pads, it is now time to fix them at the correct position. For further instructions of the use of



- these we would like to direct you to page 36 where detailed instructions of the Quick Lock pads are described.
- 7) Now start to sort the frame and spread out the main sections according to the frame diagram. Clamps can now be assembled onto the frame
  - 8) The centre angle should now be placed at a sloping angle underneath the awning. Now, take a roof rafter and attach the hook into the plastic eye or the Quick Lock pad. Attach this roof rafter into the centre angle now. Take one of the two corner sections included with a leg rafter and attach this with the centre angle. Like the centre roof rafter, you should now attach the hook into the plastic eye or the Quick Lock pad and attach this roof rafter with the corner angle. For the opposite corner angle you follow the same procedure. (In case of a 350 cm deep awning, the frame of the porch area should now be erected first). Insert the short canopy stubpoles into the centre angle and the two corner angles. In case your awning is provided with canopy roof poles (these are the frame parts fixed crosswise onto the canopy stub poles) you should now slide them through the fitted sleeves in the canopy, after which you can place them on top of the spikes of the small canopy stub poles.
  - 9) Now, put all the front and side panels back into place and close all zips. With the models that have L shaped side panel zips it is very important to close all buckles first, before you zip it back in. This will prevent damage to the zip and the stitching.
  - 10) Commence tensioning the canopy stub poles. Tension these so that the front roof poles only just touch the fabric on the inside of the awning canvas. Tighten the clamps carefully to prevent the frame sections from sliding into one another. Tension the front poles crosswise making sure that the centre angle stays positioned exactly in the middle of the intended opening in the awning. By temporarily moving the corner leg rafters into a sloping angle or slightly reduce the height, tensioning the front poles crosswise will become much easier. (For a proper sequence in case of 350 cm deep awning you should start with the frame of the porch area first and with the main frame afterwards). Start tensioning the roof rafters now. Adjust all the upright poles so that all the pegging points are at the same height from the ground.
  - 11) You are now ready for pegging the awning with the use of ladder straps and pegs. First attach all ladder straps to the anchor fittings. Put the pegs into the ground, starting at the

two pegging points at the corner of the side walls against the caravan. After this you put two pegs into the ground at the two front corners making sure that the walls are positioned in a straight line. Now you can peg out the rest.

- 12) You can now pull the draught skirt through the rail situated at the bottom of the caravan. When a rail is fitted onto your caravan you can now insert the wheel arch cover into this rail. The wheel arch cover can also be fixed into position by using the enclosed snapfasteners and screws. When you fix these to your caravan make sure that you use a waterproof sealant under the snap-fastener to prevent leakage. We also recommend the use of stick and stick Velcro fastening on all new caravans.
- 13) Check your frame again making sure it has the right tension and if necessary tighten the clamps again to prevent the poles from sliding into one and other again.
- 14) When everything is tensioned correctly you can start to fix the curtains and fold the mud flap inside the awning. In case you use a ground sheet or awning carpet, place this on top of the mud flap in order to get a nicely closed area.
- 15) When the awning is erected for a longer period or when you camp during severe weather conditions, we would like to advise you to use the Safe Lock System which can be purchased as an optional extra from your dealer.



**TIP: Always roll the window covers to the inside to prevent water build up.**

### 2.3 Instructions for erecting the annex

With almost all Dorema awnings it is possible to fix an annex to the awning. Depending on the model it is sometimes even possible to fix two annexes to the awning. Sleeping annexes offer you the opportunity to increase the living space dramatically. Besides this, the annex can also be used as bedroom for 2 persons maximum. For this purpose a special inner tent is available (as an optional extra), which can be fixed inside the annex. Two systems exist for fixing the annex. This depends on the model



of the awning. There is a system by which the annex is fitted to the awning with the use of plastic extrusions and there is a system by which the annex is fitted to the awning with the use of zips.

### **Model with zip fitting**

In case the annex is fitted to the awning by using zips, in most cases it is possible to fit the annex on the left-hand as well as the right-hand side of the awning. Before you start to erect the annex, the side panel should be zipped out of the awning first, otherwise it will be impossible to erect the annex. For further instructions of the use of the zips we would like to direct you to page 49 where detailed instructions of the zips are described.

- 1) Assemble the clamps onto the frame and slide the telescopic parts into one another as far as possible, as per the enclosed frame diagram.
- 2) Zip the annex onto the side wall of the awning.
- 3) The frame can now be placed underneath the canvas of the annex, making sure that the corner sections are placed underneath the annex first. After this you attach the corner sections together with the concerning frame parts onto the roof rafter of the awning. Finally the centre roof rafter should be placed underneath the annex.
- 4) Now tension the frame of the annex starting with the roof section. Please take care that the uprights are placed exactly in the corner seams of the annex. Now tension the uprights to get the correct height making sure that all pegging points are at the same height from the ground.
- 5) After you have fitted the ladder straps onto the anchor fittings, you can start to peg out. Start pegging out at the corners right next to the awning, after this with the two remaining corners. Please make sure all is pegged out in a nice straight line.
- 6) You can now fit the optional annex inner tent inside the annex and your annex is now ready for use.

### **Model with plastic extrusion**

When the annex is fitted to the awning with the use of plastic extrusions the side wall should remain zipped into the awning, otherwise it will not be possible to fit the annex. Once the annex is erected the side wall has become a dividing wall and access to the annex is gained by using the door.

- 1) First you start to assemble the frame of the annex as per the enclosed frame diagram. Next you put the complete frame

- against the side wall of the awning.
- 2) Now you can put the canvas of the annex on top of the frame. By using the enclosed plastic extrusions, which should be inserted over the white profile of the awning as well as the annex, you connect the annex with the awning. Two plastic extrusions of 103 cm each should be used for the roof of the annex (horizontal), while the four extrusions of 83 cm each should be used for the side walls of the annex (vertical).
  - 3) Tie the binding tapes which are inside the annex onto the frame. Now tension the frame of the annex starting with the roof section. Please take care that the uprights are placed exactly in the corner seams of the annex. Now tension the uprights to get the correct height making sure that all pegging points are at the same height from the ground.
  - 4) After you have fitted the ladder straps onto the anchor fittings, you can start to peg out. Start pegging out at the corners right next to the awning, after this with the two remaining corners. Please make sure all is pegged out in a nice straight line.
  - 5) You can now fit the optional annex inner tent inside the annex and your annex is now ready for use.

On some models the annex is fitted with a double zip. In that case it is possible to replace the side panel of the awning in order to create a dividing wall. In this situation it is not possible to use an annex inner tent.

## **2.4 Instructions for erecting a porch awning**

Before you start to erect the porch awning we would like to point out that most Dorema porch awnings are equipped with a stable freestanding frame provided with four corner leg rafters. Because of this freestanding frame it is not necessary to fix plastic eyes onto your caravan. The leg rafters of the frame together with the sewn in cushion pads provide a perfect fit against the skin of the caravan. So, the frame is not fixed onto the caravan with the help of plastic eyes or Quick Lock pads

- 1) Put the caravan on a flat piece of ground completely horizontal in order to create the best possible tension of your porch awning.
- 2) Before you start to insert the porch awning into the caravan rail, you first need to check the rail for any sharp edges. In order to prevent any damage from happening to the porch awning always remove any obstructions. Also check for any sealant that may remain inside the caravan rail.
- 3) To prevent your porch awning from getting dirty, it is advisable

- to use a plastic foil on which you can place the porch awning on to. If necessary, clean the caravan rail in order to prevent any soiling.
- 4) After you have unfolded the porch awning, zip out all the removable panels, as much as possible. By removing these, sliding the porch awning through the caravan rail will become a lot easier. For further instructions of the use of the zips we would like to direct you to page 49 where detailed instructions of the zips are described.
  - 5) You are now ready to insert the porch awning into the caravan rail. Feeding the white beading through the caravan rail is best done with two persons, by which one person pulls the porch awning along the caravan rail while the other person looks after the porch awning being fed correctly into the caravan rail. Make sure that the left and right pegging points are at the same height from the ground.
  - 6) Now start to sort the frame and spread out the main sections according to the frame diagram. Clamps can now be assembled onto the frame.
  - 7) Attach both corner angles which will eventually be on the caravan side of the porch awning along with the roof rafter until you have a complete unit as per the enclosed frame diagram. The corresponding leg rafters can also be fitted now. Put this section against the cushion pads of the porch awning now, lengthen the leg rafters until the corner sections are completely in the top corners and tie the binding tapes onto the leg rafters which are situated on the inside of the porch awning next to the cushion pads. Now you need to put the corner angles, fitted with a leg rafter, on the front side of the porch awning, use the roof rafters to attach this section with the corner angles at the caravan wall.
  - 8) In case your porch awning has a canopy you now need to fix the canopy stub poles into the corner angles. After this you should slide the canopy roof poles (these are the frame parts fixed crosswise onto the canopy stub poles) through the fitted sleeves in the canopy, after which you can place them on top of the spikes of the small canopy stub poles.
  - 9) The panels that you zipped out earlier on can now be zipped back into place. Make sure all zips are completely closed.
  - 10) Commence tensioning the canopy stub poles when your porch awning is fitted with a canopy. Tension these so that the front roof poles only just touch the fabric on the inside of the porch awning canvas. Tighten the clamps carefully to prevent the

frame sections sliding into one another. Tension the front poles crosswise followed by the roof rafters running parallel to the caravan wall. Now you only need to do the same with the roof rafters on the side of the porch awning and finally adjust the height of the remaining leg rafters so that all the pegging points are the same height from the ground. In case the frame of the porch awning is provided with an extra roof rafter, you should now assemble this one exactly into the centre between the two other roof rafters.

- 11) You are now ready for pegging the porch awning with the use of ladder straps and pegs. First attach all ladder straps to the anchor fittings. Put the pegs into the ground, starting at the two pegging points at the corner of the side walls against the caravan. After this you put two pegs into the ground at the two front corners making sure that the side walls are positioned in a straight line. Now you can peg out the rest.
- 12) You can now pull the draught skirt through the rail situated at the bottom of the caravan. When a rail is fitted onto your caravan you can now insert the wheel arch cover into this rail. The wheel arch cover can also be fixed into position by using the enclosed snapfasteners and screws. When you fix these to your caravan make sure that you use a waterproof sealant under the snap-fastener to prevent leakage. We also recommend the use of stick and stick Velcro fastening for all new caravans.
- 13) Check your frame again making sure it has the right tension and if necessary tighten the clamps again to prevent the poles from sliding into one another again.
- 14) When everything is tensioned correctly you can start to fix the curtains onto the curtain profile.
- 15) When the porch awning is erected for a longer period or when you camp during severe weather conditions, we would like to advise you to use the Safe Lock System which can be purchased as an optional extra from your dealer. You can also consider strengthening the frame by using extra roof rafters and storm poles which can also be purchased from your dealer.



**WARNING: We would like to point out that the construction of the porch awning is not designed for excessive amounts of snow. Remove snow as soon as possible. When you camp during winter conditions we would like to recommend extra roof and leg rafters. These can be purchased as an optional extra from your dealer.**

## 3. MAINTENANCE AND CLEANING

### 3.1 Introduction

In order to enjoy your Dorema awning for a long time, correct maintenance is very important. Starting with the erecting of your awning for instance. When an awning is not erected correctly, this will have consequences on how all forces are divided equally on the fabric and this can cause damage to the zips, windows, stitching, pegging points and frame parts. But it is equally important to keep the canvas clean and remove stains as soon as possible. In this paragraph we will try to provide you with as much detailed information as possible which will benefit the durability of your awning.

### 3.2 Cleaning your awning

During your holiday your awning can get pretty dirty. This can be caused by a number of reasons of course. For instance, when you have experienced a long period of dry weather, a lot of dust can be found on top of your awning. By regularly dusting the canvas with a dry brush you will prevent black runs from appearing after the first shower of rain. You can already start with some of the maintenance during the last day of your holiday. When the weather permits, you can already start to clean the mud walls of the awning with lukewarm water and leave it to dry. After you eventually dismantled the awning, you can clean the ground sheet, draught skirt, wheel arch cover and pegs and dry them. The frame can be cleaned with a moist cloth, making sure that especially the telescopic parts are always stored dry. For cleaning the awning you should, regardless of the type of material, always use clean water (approx. 30 degrees) and a sponge or soft brush. **Do not use detergent at any time as this can seriously damage the waterproof qualities of the canvas.** We also strongly advise you not to purchase any of the cleaning detergents for canvases which are available at your camping stores, as these damage the waterproofing qualities of the canvas. Re-impregnating the canvas afterwards will often not deliver the desired effect. Not all stains can be removed just with clean water. Below this we will explain how specific stains can be removed for the greater part.

#### Resin stains

Make sure all resin stains are cured sufficiently first. When the resin is cured sufficiently, it can easily be ground to powder. Carefully remove any remains with a spoon or knife and make sure you do not damage the fabric.



**TIP: It is preferred not to camp underneath trees that drip resin; resin damages the canvas.**

## Tree leaves

Pigment can come off tree leaves leaving stains on the canvas that are difficult to remove. Especially moist leaves tend to stick to the fabric. So please be alert and remove leaves as soon as possible.



**TIP: Remove tree leaves as soon as possible because they can cause nasty stains.**

## Grease stains

Dab butter, gravy or oil stains as soon as possible with kitchen paper. Any remains can be removed later with the help of an iron (coolest position) and kitchen paper. Put the paper on the concerning spot and warm the paper with the iron so that the grease is absorbed by the paper.

## Bird droppings

There is no standard method for cleaning this type of stain. The best thing to do is to scrape or wipe the remains from the canvas as soon as possible. Then clean the spot with lots of lukewarm water and leave any remaining stains. Normally these remains will automatically disappear eventually.

## Mildew

Mildew caused by moist weather can be recognised by small brown spots which are found inside the canvas. In most cases this happens because a moist awning has been packed too long. Regardless of the type of the material the awning is made from, you always need to make sure that when an awning is packed wet, it is hung to dry within twentyfour hours and has the opportunity to dry properly.

Mildew can also occur when the canvas is used during a long period of time in a moist environment. During the production of most awnings synthetic fibres are used which are coated. With most fabrics this coating is on the outside of the canvas only, because of this, this material will cause almost no condensation because the fibres on the inside of the awning will absorb some of the moisture. In this damp condition mildew can start to settle, which will then lead to the brown spots as mentioned before. Most of the condensation is caused by large differences in temperature. This occurs specifically during spring and autumn. When the humidity in the awning is high for a long period of time, brown spots can appear on the inside of the awning. Permanent site campers will therefore experience mildew quicker than people who camp only a few weeks during the summertime. Otherwise, the mildew does not effect the quality of the roof material and



has also no negative influence on the durability of the awning.

Cleaning these brown spots is reasonably possible. The inside of the roof can be treated with a mixture of one part of bleach and ten parts of water. With the use of a sponge or soft brush you can rub on this mixture. After the canvas has dried, you will notice that 80% till 90% of the spots have disappeared. Partially some of these spots might still be visible, this is inherent to the material. In case you feel the need to do so you can repeat this treatment.

By using a ground sheet with good sealing qualities condensation built up can be reduced dramatically. In case you use an awning carpet, it is advisable to use some foil underneath the carpet to avoid condensation from building up. Of course it is very important that there is enough ventilation.

### 3.3 Storing your awning

After you have cleaned the awning completely, it is very important to store the canvas as well as the frame in a dry place. To avoid rust from appearing on the frame you need to make sure all the frame parts are dry before they are stored. Especially check the telescopic parts!



**TIP: Prevent canvas and window material from getting into contact with materials which contain rubber or PVC such as: boots, cables, doormats, plastic covers or something similar. Because of softeners being used in numerous materials brown spots can start to appear inside the canvas and window material which are impossible to remove.**

#### Window material

The window material used in awnings, is made from relatively soft materials. This means that the otherwise very smooth window material, by folding it between the other materials, can copy the relief of zips, canvas and mud walls into the window material. When you store the awning after you have camped, we would like to advise you to lay out all the panels, which have the window material, as flat as possible and not roll them tightly. The chances of these mentioned unevenness' from occurring will then diminish largely.

Regarding the window material we also would like to mention that every new awning, which comes straight out of the packing, is likely to have these unevenness' in the window material. When the awning is erected

and tightly tensioned in warm weather conditions for a longer period of time, these unevenness' will largely disappear. However window material is very complex material and therefor minor unevenness' will need to be accepted as this is inherent to the material.

### **3.4 All about zips**

Dorema only uses zips of the top quality makes YKK and Opti in all their awnings. The durability of these zips largely depends on the way people treat them. Try to open and close zips with two hands as much as possible. At first zips can run a bit heavy. This will improve as time goes by. When you erect the awning you need to avoid too much tension from getting onto the zips.

#### **The use of the two slider zip system**

Both sliders should be moved to the dividable section of the zip when you want to take out a front or side panel. This dividable section consists of two narrow metal insert parts. These insert parts combined with the two sliders will offer the opportunity to divide the zip. The outer slider should be moved so far to the end of the zip until the two narrow metal insert parts completely disappear into the slider. This slider is now blocked at this place and can not be moved along the zip anymore. When the second slider is completely pushed against the first slider, both halves of the zip can now easily be separated from one another. For combining the zip sections again you do the same in reverse order (see pictures on page 51).

#### **The use of the four slider zip system**

With this zip system the zip can be divided at both ends. To take out a front or side panel two sliders should always be moved to the end of the zip. A dividable section can be found at both ends. This dividable section consists of two narrow metal insert parts. These insert parts combined with the two sliders will offer the opportunity to divide the zip. The outer slider should be moved so far to the end of the zip until the two narrow metal insert parts completely disappear into the slider. This slider is now blocked at this place and can not be moved along the zip anymore. When the second slider is completely pushed against the first slider, both halves of the zip can now easily be separated from one another. For combining the zip sections again you do the same in reverse order (see pictures on page 51).

## **Replacing sliders**

Especially on awnings which are used for permanent camping the zips wear off. Often the same door is used as an entrance causing the sliders to wear off in the long run, both zip halves can then no longer be connected properly with one another. To solve this problem the sliders can easily be replaced.



Starting situation



Slide the first slider until the block end over the insert parts



Move the second slider against the first slider



Both zip halves are now easy to separate

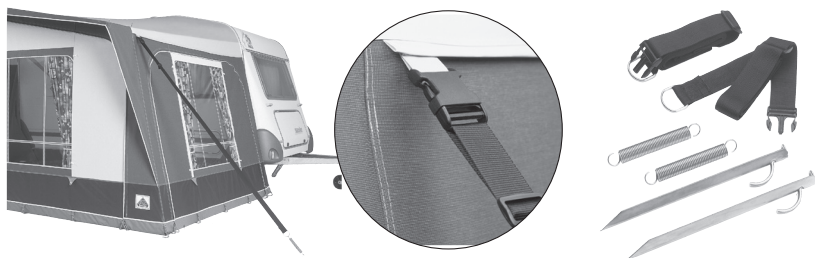
## 4. ACCESSORIES

### 4.1 Introduction

In this paragraph a number of accessories are shown which will make your awning even more complete and transform it into a real holiday home. Many accessories like the Quick Lock pad, the annex and the inner tent are already discussed before, but we would like to put some more under your attention.

### 4.2 The Safe Lock System

As from the 2003 season all Dorema awnings are equipped with two locking clips for fitting a storm strap. A set of two storm straps is available as an optional extra. The days that storm straps cause damage to the roof material are definitely gone with the new Safe Lock System.



In order to prevent any serious damage from happening to the awning canvas it is important that you always use the straps in combination with the springs. For the correct use of the system, fix the peg at about 30 cm distance from the side of the awning. The spring should then be fixed between the round shaped eye on the top of the peg and the oval shaped eye at the bottom of the strap. When tensioning the strap make sure that the spring is under medium tension.



**PLEASE NOTE: Do not leave the straps attached to the awning after using it, but always store them separately. Long term contact directly between the straps and the awning fabric or window material could cause permanent stains.**



### **4.3 Starlon Awning Carpet**

This user friendly awning carpet is produced in two attractive colour ways: grey and blue and is available in most sizes to suit your awning. Compact to fold and easy to clean.

# 5. SERVICE AND WARRANTY

## 5.1 Introduction

Dorema tries to provide you with a durable product. Our awnings are made from the best quality materials, and are carefully produced by experienced craftsmen and checked by specially trained quality control employees.

All our products have a twelve months warranty. Any faults which relate to material or production errors will be repaired free of charge.

## 5.2 Dealing with warranty claims

In case you have any questions relating the product you have purchased, you should immediately contact your supplying dealer. Your dealer will take care of any possible warranty claim. If you wish to make a claim under warranty, please make sure that the item concerned is returned in a clear and dry condition. Soiled and wet awnings are impossible to handle by our service staff and sewing machines. Any awnings received in this condition will be returned untreated.

## 5.3 Warranty

In all cases Dorema will decide whether a claim is considered warranty. Damage caused by excessive tensioning, storm damage or misuse can not be claimed under warranty. Any travel and/or transport costs made will not be compensated.

The experienced camper knows that the phenomena as stated below can not be considered faulty and have no negative effect on the solidity of the awning.

- Thread thickening in the material.
- Colour changes on different panels.
- Colour changes due to the weather or the environment.
- Light points in the PVC. These so-called pigment stains are not unusual and occur when the pigment that gives the colour is missing. This certainly does not indicate that the material with these spots will start leaking or have a lesser quality of material.
- Condensation, in extreme cases it will even drip, especially in the seams around the frame.
- Unevenness' in the window material.

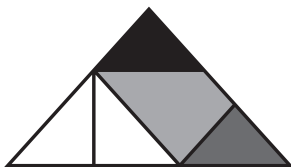
When the awning is erected for the first time, it is possible that water could penetrate through the seams during the first shower of rain. Once the thread has been wet it will start to swell, this will close the stitching. In most cases this problem will no longer occur during the next shower of rain.



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