



## **markilux Sales Manual 2015**

Patio & Balcony Awnings  
Shading Systems for Large Areas

***markilux***







		General Information	
		<b>markilux collection</b> .....	02
		<b>markilux ES-1</b> .....	03
		<b>markilux 6000</b> .....	04
		<b>markilux 5010</b> .....	05
		<b>markilux 3300 / 3300 pur</b> .....	06
		<b>markilux 990</b> .....	07
		<b>markilux 1710</b> .....	08
		<b>markilux 1710 stretch</b> .....	09
		<b>markilux 1500</b> .....	10
		<b>markilux 1600</b> .....	11
		<b>markilux 1600 stretch</b> .....	12
		<b>markilux 1650</b> .....	13
		<b>markilux 930 swing</b> .....	14
		<b>markilux 1300 Basic</b> .....	15
		<b>markilux 1700</b> .....	16
		<b>markilux 1700 stretch</b> .....	17
		<b>markilux 790</b> .....	18
		<b>markilux pergola 110 / 210 tracfix</b> .....	19
		<b>markilux syncra fix</b> .....	20
		<b>markilux syncra flex</b> .....	21
		markilux Optional Accessories .....	22
		markilux Technical Information .....	23
Patio & Balcony Awnings	Cassette Awnings		
Shading Systems for Large Areas	Semi-cassette Awnings		
	Open Style Awnings		
	Side Screens		
		pergola / syncra	

7609787 2015-08-17

We reserve the right to make technical alterations without giving prior notice. Up-to-date technical data can be found in the restricted area of the website under “**Information for Specialist Dealers**” at [www.markilux.com](http://www.markilux.com).



**markilux Products**

safe · timeless · beautiful



# Experience and knowledge by tradition – ideas and creativity for the future

**Design**

markilux products are designed to be timeless. Trendy and classic lines united in the perfect products for your home. Reputable designers have created beauty in both the technological and the textile.

**Innovation**

markilux awnings did not get to where they are by chance. In each of our products you will find technical innovations crafted for a particular application. We try to anticipate the requirements of tomorrow and satisfy them today.

**Dynamics**

markilux developments are dynamic. We think well ahead, as markilux clients should be able to enjoy our products for many years to come. Many of the ideas we have can be retro-fitted to already existing products. This makes our products very long-lasting indeed.

**Functionality**

markilux technology is designed to last for a small eternity. The materials used meet the highest standards so ensuring problem-free operation for many years.

**Safety**

Certified quality from a certified company; independent bodies audit us and document our commitment to quality. The uniqueness of our production facility, weaving mill and awning assembly lines in the confines of one company make it possible to create products that leave no wish unfulfilled.

**Service**

markilux, dedicated to craftsmanship. markilux Specialist Dealers are experts when it comes to the sale and installation of awnings. We support these businesses with our many years of experience, specialist training and know how.

 schmitz Schmitz-Werke GmbH + CO. KG  
 48282 Emsdetten, Germany  
 Hansestrasse 87  
 Telephone: +49 (0)2572 / 927-0  
 Telefax: +49 (0)2572 / 927 682  
 www.markilux.com  
 Email: info@markilux.com

**markilux**

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23

01

## Awning use in wind, rain, snow and ice

Just as the sailor reefs and furls his sails in a storm so you, too, should retract your awning in strong wind and rain.

To prevent anything unforeseen happening this should be done at night as well, to ensure a good night's sleep.

If the pitch of the awning is less than 14° (to the horizontal) then the awning should not be extended when it is raining.

Otherwise there is a danger of water collecting on the cover and causing it to sag. This may lead to the awning being damaged or people being injured. If your awning has been retracted when wet it should be extended again at the earliest opportunity to allow it to dry.

If the wind speed exceeds that of the permitted wind resistance class (v. the section "Technical Information – Fixture of awnings in line with EN 13561") and in the case of frost or snow the awning must be retracted immediately. If there is snow on the awning it must be removed and a frozen cover thawed out before the awning is retracted.

An automatic weather control system that extends or retracts the awning according to the weather conditions is no guarantee that the awning system will function perfectly indefinitely. It does not, therefore, relieve the owner of the duty to exercise due diligence. In times of absence, e.g. during holidays or at

night and during bad weather the awning should be retracted and any automatic control system switched off.

Dampness and cold can lead to the cover becoming stiff and cause the thermal safety cut-out mechanism in the motor to activate. This will prevent the awning from being retracted for a short while.

### Awnings with motor drive

If there has been a power cut, a purely motor-driven awning cannot be retracted. Retracting and extending the awning several times in quick succession may activate the thermal cut-out mechanism, which prevents the motor from overheating. After it has cooled down the motor will reactivate itself again.

### Definition of operation side

The operation side is given looking at the awning from the outside (right or left).

**Detailed instructions for the awning dealer containing all important information with regard to operation, care and maintenance are included with every awning delivery.**

02

03

04

05

06

07

08

09

10

11

12

13

14

15

## Wind resistance classes of markilux folding-arm awnings

markilux folding-arm awnings intended for outdoor use meet the requirements of European Standard EN 13561 for blinds and awnings and in so doing the current technical regulations with respect to their construction and fixing brackets.

markilux awnings are CE certified according to this European standard and meet the requirements of wind resistance class 2 (not necessarily in the case of sizes that exceed our standard specification).

For details and comments please see the chapter "Installation of Folding-arm Awnings (EN 13561)" in the section "Technical Information".

rated to wind resistance class 2  
(corresponds to Beaufort 5)



16

17

18

19

20

21

22

23

01  
02  
03  
04  
05  
06  
07  
08  
09  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23








## Frame colours

### Powder coating

The material for the standard colours shown in the matrix (available as standard) is in stock for folding-arm awnings:

**Short delivery times, basic price in the current price list.**

#### Frame colours

traffic white	RAL 9016	
metallic aluminium	RAL 9006	
grey brown	similar to RAL 8019	
off-white textured finish	5233	
stone grey metallic	5215	
anthracite metallic	5204	
Havana brown textured finish	5229	

All other RAL colours including metallic, matt and fluorescing colours as well as pearl finishes are available to order. The exception to this rule is formed by the markilux ES-1, which is made of stainless steel:

**Prolonged lead times; Prices available on request or can be found in the current price list.**

markilux awnings and solar protection systems are powder coated as standard in line with the GISCs (German Industrial Standard for Component Surfaces). This powder coating finish has proved itself admirably over the past thirty years in the climate of central Europe!

### Increased corrosion protection

**If higher demands are to be placed on it e.g. in coastal areas or in places where there is strong industrial pollution,** it is recommended that – to improve the resistance to or even prevent the formation of hairline/crazed corrosion – a suitable chemical pretreatment be used. To this end the GISCs has developed over many years an alternative coating process. Aluminium components, for example, are pretreated in advance of the actual powder coating process. This present stage in technological development has shown that this represents a considerable improvement in the prevention of hairline/crazed corrosion caused by the conditions cited above.

The description of this process is summarised in the **classification and test procedures for the coating of individual components under RAL RG 631 for aluminium and RAL GZ 663 for steel** as well as **the stipulations laid down in Qualicoat.**

In situations such as those cited above we give the option of having the powder coating carried out in line with RAL RG 631 or RAL GZ 663. The lead time is then the same as that for non-standard RAL colours. The surcharge for this varies according to the awning model to be coated. You will receive a quotation upon request. For quick, non-binding quotations the following rule of thumb may be used:

Surcharges for powder coating with increased corrosion protection	
for standard colours	× a factor of 2 minimum surcharge € 80
for non-standard RAL colours	× a factor of 2.3 * minimum surcharge € 150

\* over and above the cost for non-standard RAL colours

**Please pass your order to us with the additional comment: Powder coating with increased corrosion protection and put an appropriate cross on the order form.**

01

02

03

04

05

06

07

08

09

10

11

12

13

14

15

16

17

18

19

20

21

22

23