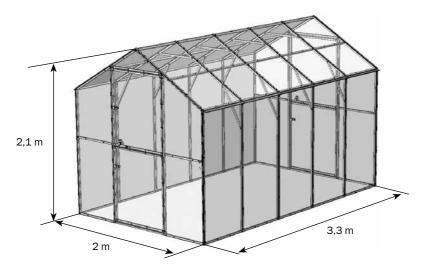


KROOONHOUSE

Greenhouse made of polycarbonate



Technical certificate

p. 3-7

Assembly manual

p. 8-24



Follow the greenhouse assembly instructions and use it in strict accordance with the manual and operating rules stated in the technical certificate. Please keep the technical certificate for further reference.

Cleaning procedures for multi-wall polycarbonate sheets

- 1. Rinse with lukewarm water to remove abrasive particles, dust and dirt or other substances.
- 2. Wash greenhouse polycarbonate with a special polycarbonate detergent solution Krooon with wax dissolved in lukewarm water or with other low aggressive cleaning detergent solution, such as mild soap solution. Use a soft cloth or a sponge to clean up the surface. Do not scrub or use brushes.
- 3. Rinse the cloth or sponge and change the water often.
- 4. Repeat rinse and then dry with a soft cloth.
- 5. Washing with high-pressure washer to be done on a safe distance from the polycarbonate.

Please use for that purpose special cleaning detergent solution Krooon with wax.

Cleaning concentrate Krooon with wax advantages:

- Non toxic
- Contains wax additional protection against weather conditions, promotes snow slipping off the surface.
 - Concentrate working solution 20L and coverage area 160m2
 - Efficient washing properties
 - 95% of ingredients are readily biodegradable

Never use abrasives or highly alkaline cleaning compositions for cleaning polycarbonate sheets. Dry rubbing of the surface will damage the protective layer of the cladding and will lower its weatherability. Never rub the surface of polycarbonate sheets with brushes, metallic cloth or other abrasive materials.

When disinfecting the greenhouse from pathogens causing fungal and bacterial diseases, do not use "sulfur blocks" to avoid frame corrosion (blackening)

Ask Your local dealer about compatible cleaning agent Krooon with wax for multi-wall polycarbonate sheets.

DISCRIPTION

The greenhouse "Ministar" is designed to create the climate, which is productive to grow horticultural crops on the garden plots.

The length of the greenhouse is 3.3 m, the surface of the protected soil is 6.4 m2. The height of the set up frame is 2.1 m.

The frame of the greenhouse is made of square galvanized pipe and it is assembled with the studs, screws, nuts. The kit includes everything you need to fasten the covering.

The base of the greenhouse is not obligatory to install but recommended. The greenhouse is fixed on the ground by digging special frame endings. The kit includes everything you need to fasten the covering.

The greenhouse is equipped with 4 mm polycarbonate.

The greenhouse has two doors and two vents.

Assembly instructions and operating rules

The green house should be assembled and installed on the ground according the instruction. The buyer should control the assembly quality if it is made by third person.

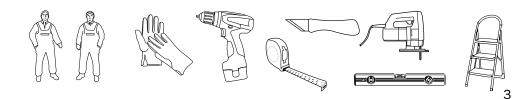
Self-tapping screws of mount structure should be tightened to contact the flat head of the screw with the covering surface and hold it to the frame, but do not allow the extra rundown of the screws.

Avoid installing the greenhouse closely to the buildings and trees. The melting snow or ice is a potential hazard. The recommended distance is minimum 2.2 m.

The greenhouse is designed to endure the wind of less than 20 m/s.

If the greenhouse in not looked after during winter, the customer should determine the possible snow load or to skin the covering.

The limit snow load for the frame takes place when the weight of the snow blanket is 240 kg/1m2 of horizontal ground surface. This limit snow load requires characteristic snow load of the IV snow region (according the classification of construction rules and regulations (SNiP) 2.01.07-85 "Loads and actions".



Warranty

- 1. The manufacturer shall be responsible for completeness of the package.
- 2. The manufacturer shall be responsible for assemblability of the greenhouse in accordance with the Assembly Instruction.
- 3. The manufacturer shall be responsible for structural integrity within the frames of the Operating Rules.
- 4. The term for a claim is 8 years from the date of purchase.

Warranty liability

Warranty liabilities do not apply to cases of:

- 1. The greenhouse installation with violation of requirements of the manual
- 2. The violation of the operating rules.
- 3. Inappropriate use of the greenhouse.
- 4. The evidence that indicates corrosion on the cut of the details which do not influence the operational characteristics of the construction.
- 5. The deformation of the greenhouse due to soil movement.
- 6. Floods, hurricanes and other natural disasters.
- 7. The deformation of the greenhouse under the show due to operational characteristics violation.

The manufacturer bears responsibility for the quality of products.

The manufacturer reserves the right for greenhouse engineering design changes.

Prime Line OÜ Register code: 12430378, VAT: EE101693921 www.krooon.co.uk Estonia

1ST PACKAGE BASE

M2	bearer (20x20) L=0,64m	x 30
M2-1	bearer (20x20) L=0,64m	x 5

2ND PACKAGE BASE

1	package header (20x20) L=0,3m		x 16
M5	roof (20x20) L=1,16 m		x 4
M5-1	roof (20x20) L=1,17 m	/	x 4
М5К	roof (20x20) L=1,16 m	/	x 2
M5K-1	roof (20x20) L=1,17 m		x 2

3 RD PACKAGE BASE

M4	side stud (20x20) L=1,55m	/	x 8
М4К	side stud end most (20x20) L=1,55m		x 4
M21	hard bar of the arc (20x20)		x 12

4 TH PACKAGE BASE

M8	isohyps end face (20x20) L=0,58 m	x 4
M8-1	isohyps end face (20x20) L=0,58 m	x 4
M9	door side stud (20x20) L=1,87 m	x 2
M9-1	door side stud (20x20) L=1,87m	x 2
M10	door side isohyps (20x20)	x 2
D10-1y	L=0,81m	x 2

4 TH PACKAGE BASE

A11y	(00.00)	x 4
A11-1y	vertical vent member (20x20) L=0,9 m	x 2
A11-2y	- 1 0,0 m	x 2
A12-1y		x 2
A12-2y	isohyps vent member (20x20)	x 2
A12-3y	L=0,75 m	x 2
A12-4y		x 2

5 TH PACKAGE BASE

22	plate L=1,53m		x 12
23	plate L=1,16m		x 12
24	end face plate L=1,53m		x 4
25	end face plate L=1,16m		x 4
26	roof apex	\ ,	x 5

6 TH PACKAGE BASE

3	Runner	x 16
27	Door hook	x 2
28	Door Butt	x 8
29	Door bolt handle	x 12
30	Plate of the door bolt	x 6
31	Inside part of the door bolt	x 12
32	Valve chamber of the door bolt	x 6
33	Rod of the door bolt	x 6
34	Scotch tape	x 1

6 TH PACKAGE BASE

35	Screw M4x30		x 40
36	Screw M5x30		x 12
37	Screw M6x30		x 16
38	Screw M6x30		x 36
39	Screw M6x45		x 18
40	Stud M4x45		x 6
41	Stud M6x55		x 32
42	Self-tapping screw M4,2	2x19	x 280
43	Door weather strip 1,9	Om	x 2
44	Nut M4		x 40
45	Nut M5		x 12
46	Nut M6		x 36

