

STORAGE *line*™

User's Guide



ROXELL®

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GENERAL INFORMATION

1. OBEY THE LEGAL REGULATIONS AND THE APPLICABLE RULES!

This concerns, among other things, the European directives transposed into national legislation and/or the laws, safety and accident prevention regulations that apply in the user's country.

During assembly, operation and maintenance of the installation the legal regulations concerned and the applicable technical rules must be obeyed.

2. INTENDED USE

The installation has been designed solely for intensive livestock use and has been developed according to the applicable rules of good workmanship. Extra loading of the product is therefore prohibited. Any other use is considered to be improper use. The manufacturer is not responsible for damage resulting there from. The user bears sole responsibility.

3. NOT-INTENDED USE

All use different than described in point 2" intended use" is at the responsibility of the end user.

4. LIABILITY

Any claim under guarantee is void for damage that has resulted from improper use and unauthorised actions not provided for in the instructions for use. ROXELL NV cannot be held responsible for this damage.

This declaration relates exclusively to the machinery in the state in which it was placed on the market, and excludes components which are added and/or operations carried out subsequently by the final user.

The liability of Roxell ends in case the end user changes or adapts the installation himself.

5. PERSONNEL QUALIFICATIONS

USER:

The person who uses a function or operation of a product for their work or who works on the product. The user must be able to read the instructions for use and fully understand them. The user has knowledge of the functioning and construction of the installation.

TECHNICALLY TRAINED PERSON:

An expert who can assemble and maintain the installation (**mechanically/electrically**), and resolve malfunctions. On the basis of his/her technical training and experience, he/she has sufficient knowledge to be able to assess activities, recognise possible dangers and rectify dangerous situations.

6. INFORMATION ABOUT THE RESIDUAL RISKS - USED SAFETY SIGNS





There are three levels of danger, which you can recognize from the signal word

* **DANGER**

* **WARNING**

* **CAUTION**

The nature and source of the imminent danger and possible consequences of not obeying warnings is stated here!

 <p>DANGER</p>	<p>DANGER indicates a direct imminent danger that can result in a serious or even fatal accident if the safety measures are not respected.</p>
 <p>WARNING</p>	<p>WARNING indicates a possible imminent danger that can result in a serious accident or damage to the product if the safety measures are not respected.</p>
 <p>CAUTION</p>	<p>CAUTION indicates possible, dangerous situations that can result in minor physical injury or material damage if the safety measures are not respected.</p>
	<p>This symbol refers to supporting information.</p>

GENERAL INFORMATION

7. DISMANTLING, STORAGE, TRANSPORT

Dismantle the installation and its components in accordance with the environmental legislation of the country or the local authorities applicable at that time. All functioning products and exchange parts must be stored and disposed of in accordance with the applicable environmental regulations.

Environmental information for customers in the European Union



European directive 2002/96/EC amended by the Directive 2008/34/EC requires that equipment that bears this symbol on the product or packaging must not be disposed of with unsorted household waste. This symbol indicates that the product must be disposed of separately. You are yourself responsible for the destruction of this and other electrical and electronic equipment via the disposal channels designated for that purpose by the national or local government. The correct destruction and recycling of this equipment prevents any negative consequences for the environment and health. For more information about destroying your old equipment, contact your local authorities or waste disposal service.

Information about waste disposal - electrical/electronic material for companies

1. In the European Union

If you have used the product for commercial purposes and you want to dispose of it, contact Roxell N.V. who will give you information about the return of the product. It is possible that you will have to pay a disposal charge for the return and recycling. Small products (and small quantities) can be processed by the local collection agencies.

2. In other countries outside the European Union

If you want to dispose of this product, contact the local authorities for information concerning the correct disposal procedure.

8. THE LEVEL OF NOISE EMISSION

The noise level of the installation in operation does not exceed 70dB.

9. MAIN SWITCH

Before you do any repair, or maintenance works, always disconnect the electricity supply **by switching off the main switch.**

10. PROTECTION

Ensure you wear personal protection equipment (gloves, dust masks...).

THESE INSTRUCTIONS MUST BE READ, UNDERSTOOD AND ALL POINTS OBSERVED BY THE USER, THE RESPONSIBLE AND OPERATING PERSONNEL.

DISCLAIMER : The original, authoritative version of this manual is the Dutch version produced by Roxell NV. Subsequent changes to any manual made by any third party have not been reviewed nor authenticated by Roxell. Such changes may include, but are not limited to, translation into languages other than Dutch, and additions to or deletions from the original content. Roxell disclaims responsibility for any and all damages, injuries, warranty claims and/or any other claims associated with such changes, inasmuch as such changes result in content that is different from the authoritative Roxell-published Dutch version of the manual. For current product installation and operation information, please contact the customer service and/or technical service departments of Roxell. Should you observe any questionable content in any manual, please notify Roxell immediately in writing to: Roxell NV - Industrielaan 13, 9990 Maldegem - Belgium.

Storage Line Roxell NV

Metal storage bins for animal feed


Metalen opslagsilo's voor opslag van veevoeder**SAFETY - BINS**

Since Roxell's existence **SAFETY IS TOP PRIORITY**, for customers as well as for suppliers, employees and animals. Read the User's Guide carefully to work safely with the bin and related products.

PAY ATTENTION :

Security is everybody's responsibility :

You protect yourself and others by safely using the products for the daily activities.



 DANGER	ATTENTION BE CAREFUL YOUR SAFETY IS AT STAKE !
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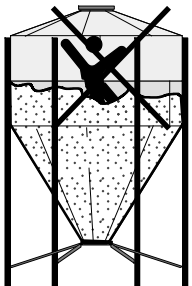
A. GENERAL INSTRUCTIONS

- When determining the location of the bin you should consider the following :
 - * install the bin in a safe location.
 - * avoid the proximity of electrical wiring that can come into contact with your bin.
 - * avoid installation of the bin on lowlying terrain. In this way the bin and possible electrical wiring cannot come into contact with water or other conductors.
- Earth all electrical material.
- Wear gloves, safety helmet and shoes, etc....when assembling and installing the bin.
- Wear safety glasses when drilling, sawing, grinding or other work where dust and burrs can occur.
- Secure the tooling when you are working up above at the bin.
- Only use tooling with protection hood.
- Do not tilt heavy weights that can cause back and muscle injuries.
- Put warning signs everywhere where there is a possible risk of danger.

B. SAFETY DURING THE OPERATION OF YOUR INSTALLATION

- See that all safety precautions are in good shape and correctly placed..
- See that all electrical material is earthed..

 WARNING	To avoid electrical shock, place the equipment in a safe area. Use guards around control panels. Always shut off and lock out control boxes when working on the equipment	
-------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

<p>You can suffocate under material in the bin. Never enter a bin when it contains material ! When it is empty, you can enter the bin only if you :</p> <ol style="list-style-type: none"> 1. Shut off and lock out al power 2. Use a safety harness and safety line 3. Wear proper breathing equipment 4. Station people to help form outside the bin 	 WARNING	
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

- Always be alert for all warning signs
- Contact your supplier before you wish to make changes that are not described.
- Do not use fastening material that is not supplied by your bin supplier . This can cause problems or danger not insured by our calculations.
- Take care of an easy contact in case of problems (emergency, injuries...)
- Keep the bin (and surroundings) free of :
 - * mud
 - * acid feed
 - * metal scratch
 - * contact with other metals (e.g. aluminum...)
- Make sure the supply is shut off when you do maintenance work at the bin.
- See that you keep the Manual for Use and Installation at a well accessible safe spot, immediately consultable when needed.
- Bin ladders :
 - * Authorized weight = **200 kg**.
 - * **NEVER** step on a faulty installed ladder.
 - * Keep the rails free of mud or other slippery material.
 - * Wear antislip shoes.
 - * **NEVER climb onto a ladder when your physical condition is not optimal** (in case of fatigue, under influence of medication, alcohol, drugs, or an unstable health).
 - * Look at the ladder when climbing or descending it. Be sure of a good grip
 - * **NEVER** use the **hookinladder** in another application. Hook the ladder only in an original vertical bin ladder.
 - * When climbing on a roof ladder it is compelled to wear a **safety harness**.
 - * **NEVER** step on the roof sections.

NEVER OPEN ENTRY HATCH WHEN THERE IS FEED IN THE BIN !!!



DANGER



USER DIRECTION - BINS

All parts of bin require little maintenance. You have to consider the used preservatives in the material stored. These could have a corrosive effect on the bin.

Check regularly the bin for corrosion and treat the affected parts. With heavy rust formation consult a specialist. In case of a rust degree of Ri4 (according to DIN 53 210) you can NO LONGER USE the bin.

The bin can be filled and emptied centrally only. All other methods have to be approved of in writing by the supplier.

The content of the bin can be checked through the feed viewer window.

You can only store following bulk materials in a bin :

- * Concentrates according to DIN 1055.
- * Positive flowing feed with a specific weight of $\leq 6.5 \text{ kN} / \text{m}^3$ ($\leq 650 \text{ kg} / \text{m}^3$).

ATTENTION:

SOYA COARSE MEAL, MEAT SCRAPS AND MANY OTHER MATERIALS ARE NOT FREE FLOWING.

YOU CANNOT STORE THESE MATERIALS IN THE BIN !!!



WARNING

Contact the supplier of the materials you store for information regarding cohesion and bridging possibility.

In case you do NOT use the bin for a while see that it is empty and cleaned inside.

When you fill the bin pneumatically, use a good porous dust collector on the exhaust pipe. Your bin CAN BE SERIOUSLY DAMAGED if the exhaust is blocked.

The blowing pressure with pneumatic filling of the bin can be **maximum 1.2 bar**. With higher pressure the bin can be seriously damaged.

Snow load : according to DIN 1055 TS

Vertical weight on the roof of supports, tubes, scaffolds, platforms, etc... must not exceed 5kN (500kg).

Put the bin at a minimum distance of 0.5m from existing buildings.

Check all received parts on damages and failures. Consult the Ordering instructions at the end of this manual.

Take into account following points when determining the location of your new bin :

- Location of the inlet pipe.
- Location of the exhaust pipe.
- Place of the mechanical opening system.
- Place of the existing buildings.
- Direction of the transport system to be used.
- Location of the ladder.
- Location of the peripheral equipment such as bin valve and other options.
- Location of the body section with sign.

Storage Line Roxell NV

Metal storage daybins for animal feed


Metalen opslagdagsilo's voor opslag van veevoeder**SAFETY - DAYBINS**

Since Roxell's existence SAFETY IS TOP PRIORITY, for customers as well as for suppliers, employees and animals. Read the User's Manual carefully to work safely with the daybin and related products.

PAY ATTENTION :

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You protect yourself and others by safely using the products for the daily activities.



 DANGER	ATTENTION BE CAREFUL YOUR SAFETY IS AT STAKE !
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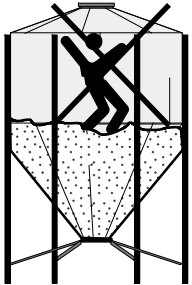
A. GENERAL INSTRUCTIONS

- When determining the location of the daybin you should consider the following :
 - *install the daybin in a safe location.
 - *avoid the proximity of electrical wiring that can come into contact with your daybin.
 - *avoid installation of the daybin on lowlying terrain. In this way the daybin and possible electrical wiring cannot come into contact with water or other conductors.
- Earth all electrical material.
- Wear gloves, safety helmet and shoes, etc....when assembling and installing the daybin.
- Wear safety glasses when drilling, sawing, grinding or other work where dust and burrs can occur.
- Secure the tooling when you are working up above at the daybin.
- Only use tooling with protection hood.
- Do not tilt heavy weights that can cause back and muscle injuries.
- Put warning signs everywhere where there is a possible risk of danger.



B. SAFETY DURING THE OPERATION OF YOUR INSTALLATION

- See that all safety precautions are in good shape and correctly placed..
- See that all electrical material is earthed.

 WARNING	To avoid electrical shock, place the equipment in a safe area. Use guards around control panels. Always shut off and lock out control boxes when working on the equipment	
-------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

<p>You can suffocate under material in the daybin. Never enter a daybin when it contains material ! When it is empty, you can enter the daybin only if you :</p> <ol style="list-style-type: none"> 1. Shut off and lock out al power 2. Use a safety harness and safety line 3. Wear proper breathing equipment 4. Station people to help from outside the daybin 	 WARNING	
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- Always be alert for all warning signs
- Contact your supplier before you wish to make changes that are not described.
- Do not use fastening material that is not supplied by your daybin supplier . This can cause problems or danger not insured by our calculations.
- Take care of an easy contact in case of problems (emergency, injuries...)
- Keep the daybin (and surroundings) free of :
 - * mud
 - * acid feed
 - * metal scratch
 - * contact with other metals (e.g. aluminum...)
- Make sure the supply is shut off when you do maintenance work at the daybin.
- See that you keep the Manual for Use and Installation at a well accessible safe spot, immediately consultable when needed.
- **NEVER** step on the roof sections.

NEVER OPEN ENTRY HATCH WHEN THERE IS FEED IN THE DAYBIN !!!		
	DANGER	

USER DIRECTION - DAYBIN

All parts of daybin require little maintenance. You have to consider the used preservatives in the material stored. These could have a corrosive effect on the daybin.

Check regularly the daybin for corrosion and treat the affected parts. With heavy rust formation consult a specialist. In case of a rust degree of Ri4 (according to DIN 53 210) you can NO LONGER USE the daybin.

The daybin can be filled and emptied centrally only. All other methods have to be approved of in writing by the supplier.

You can only store following bulk materials in a daybin :

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* Positive flowing feed with a specific weight of $\leq 6.5 \text{ kN} / \text{m}^3$ ($\leq 650 \text{ kg} / \text{m}^3$).

ATTENTION:

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YOU CANNOT STORE THESE MATERIALS IN THE DAYBIN !!!



WARNING

Contact the supplier of the materials you store for information regarding cohesion and bridging possibility.

In case you do NOT use the daybin for a while see that it is empty and cleaned inside.

Snow load : according to DIN 1055 TS

Vertical weight on the roof of supports, tubes, scaffolds, platforms, etc... must not exceed 5kN (500kg).

Put the daybin at a minimum distance of 0.5m from existing buildings.

Check all received parts on damages and failures. Consult the Ordering instructions at the end of this manual.

Take into account following points when determining the location of your new daybin :

- Place of the existing buildings.
- Direction of the transport system to be used.
- Location of the peripheral equipment such as bin valve and other options.
- Location of the body section with sign.



Inbouwverklaring betreffende niet voltooid machines (Richtlijn 2006/42/EG, Bijlage II.1.B)
Declaration of incorporation of partly completed machinery (Directive 2006/42/EC, Annex II.1.B)

Fabrikant/Manufacturer:
Roxell, Industrielaan 13, 9990 Maldegem
Tel: +32 50 72 91 72
Fax: +32 50 71 67 21

Verklaart geheel onder eigen verantwoordelijkheid dat het product:
Declares on its own responsibility that the product:

STORAGEline / STORAGEline plus Nr: 059...
Metalen opslagsilo's voor opslag van veevoeder
Metal storage bins for animal feed

Waarop deze verklaring betrekking heeft, in overeenstemming is met:

- de volgende richtlijnen: 2006/42/EG (Machinerichtlijn); 2004/108/EG (Elektromagnetische Compatibiliteit); de richtlijn 94/09 (ATEX) werd op zijn toepasselijkheid afgetoetst.
- de geharmoniseerde Europese Normen: EN ISO 13857:2008; EN 349:1993 + A1:2008; EN 547-1:1996 + A1: 2008; EN 547-2:1996 + A1: 2008; EN 547-3:1996 + A1: 2008; EN ISO 7250:1997; EN ISO 12100:2010; EN ISO 14122-1:2001; EN ISO 14122-2:2001; EN ISO 14122-3:2001; EN 60204-1:2006
- STORAGEline plus : DIBt Prüfbericht Nr. TP-09/003

Het is verboden bovengenoemd product in gebruik te stellen voordat de machine waarin het wordt ingebouwd in overeenstemming met de bepalingen van de Machinerichtlijn is verklaard.

Tevens verbindt de fabrikant (of zijn gemachtigde) zich om op met redenen omkleed verzoek van de nationale autoriteiten de relevante informatie over deze niet voltooid machine door te geven. De wijze van doorgifte is digitaal. De wijze van informatieverschaffing laat de intellectueel-eigendomsrechten van de fabrikant van de niet voltooid machine onverlet
(NL)

Relating to this declaration, is conform

- The following directives 2006/42/EC (Machinery Directive); 2004/108/EC (Electromagnetic Compatibility); directive 94/09 (ATEX) is checked on its applicability.
- The harmonised European standards: EN ISO 13857:2008; EN 349:1993 + A1:2008; EN 547-1:1996 + A1: 2008; EN 547-2:1996 + A1: 2008; EN 547-3:1996 + A1: 2008; EN ISO 7250:1997; EN ISO 12100:2010; EN ISO 14122-1:2001; EN ISO 14122-2:2001; EN ISO 14122-3:2001; EN 60204-1:2006
- STORAGEline plus : DIBt Prüfbericht Nr. TP-09/003

This product must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive.

05900428

The manufacturer (or its agent) also undertakes, at the duly reasoned request of the national authorities, to provide the relevant information concerning this partly completed machinery. The method of transmission will be digital. The manner in which the information is provided does not prejudice the manufacturer's intellectual property rights concerning the partly completed machinery

(EN)

Plaats, Datum / Place, Date : Maldegem, 01/01/2012

.....
Dhr. Gino Van Landuyt
Managing Director

"This part may only be filled out if all built-in subparts are delivered by Roxell"

EG-verklaring van overeenstemming (Richtlijn 2006/42/EG, Bijlage II.1.A)
EC-declaration of conformity (Directive 2006/42/EC, Annex II.1.A)

Wij/We _____

(naam installateur/name fitter)

(volledig adres en land/complete address)

Verklaren geheel onder eigen verantwoording de
Declare completely on own justification that

(naam machine/name machinery)

(nummer CE-label/number CE-label)

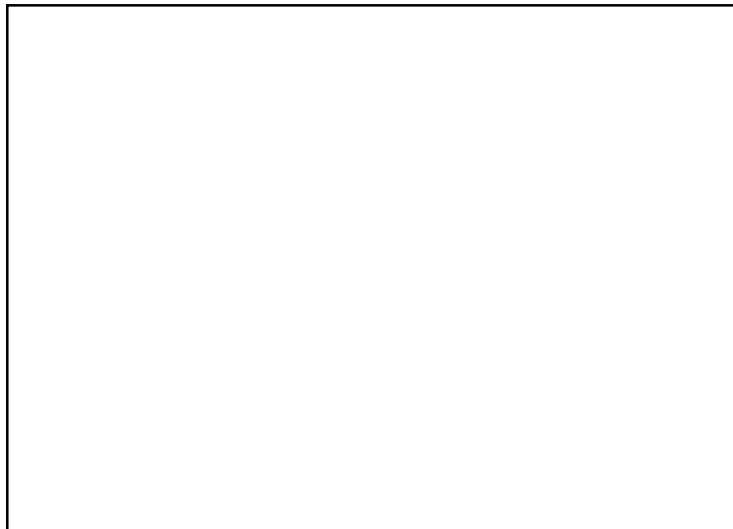
In een installatie te hebben ingebouwd geheel volgens de Roxell-voorschriften en in overeenstemming met de bepalingen van de Machinerichtlijn.
Has been incorporated in conformity with the provisions of the Machinery Directive and the prescriptions of Roxell NV

(plaats, datum/place, date)

(naam, handtekening/name, signature)

Deze verklaring betreft uitsluitend de machine in de toestand waarin zij in de handel is gebracht, met uitsluiting van de later door de eindgebruiker toegevoegde componenten en/of verrichte bewerkingen.

This declaration concerns solely the machinery in the condition in which it has been brought onto the market, excluding components added and/or modifications made later by the end user.



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Tel: +603-5121 7150 - Fax: +603-5121 7146 - Email: info@roxell.com.my - www.roxell.com.my