

This manual contains detailed instructions and notes on how to use and operate the COVERSEAL pool safety cover, model 102 fitted with aluminium rails. For your own safety and convenience, please read this manual carefully before using the cover. Keep this booklet in a safe place for reference.

The Coverseal cover - model 102 - complies with French safety standard AFNOR NF P 90-308 of December 2013. This certificate of compliance was granted and issued by the LNE (National Testing Laboratory in France).

Failure to comply with the instructions (conditions of use, maintenance, cleaning, safety and overwintering) may lead to cover malfunction, or may even cause serious bodily injury, for which Becoflex cannot be held liable and will be forced, if necessary, to cancel all contractual guarantees.

The contents of this manual may be subject to changes without prior notice.



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1.1 GENERAL ADVICE ON SAFETY

Caution! Safety can only be ensured with a properly closed, locked cover installed in accordance with the manufacturer's instructions.

Swimming pools can pose a serious danger to children. Drowning occurs very quickly. Children in the vicinity of a swimming pool require your constant, active supervision, even if they know how to swim. The presence of a responsible adult is imperative when the pool is open.





Learn life-saving tips

Memorize emergency services phone numbers and display them near the pool.

Fire service (18 for France or 112 from a mobile phone anywhere in Europe) Paramedics (15 for France or 112 from a mobile phone anywhere in Europe)



1.2 ADVICE ON SAFETY SPECIFIC TO THE COVERS

- This cover is not a substitute for common sense or individual responsibility. It is not intended to replace the vigilance of parents and/or responsible adults, which remains essential for keeping young children safe.
- The cover should only be manipulated by a responsible adult.
- The cover must always be closed even when out of the house for just a moment.
- Check that there are no swimmers or foreign bodies in the pool before and while operating the cover.
- The presence of a responsible adult is imperative when the pool is open.
- The tools (key or remote control) required to operate the cover must always be out of the reach of children.
- Take all necessary steps to prevent young children from accessing the pool, i.e., until the cover is repaired or in the event of a malfunction preventing the cover from closing, thereby securing the pool, or if the equipment or pool are temporarily out of service.
- Always observe the water levels specified by the manufacturer (see point 2.4: Water level to be observed).
- 6 Do not stand, walk or jump on the safety cover.
- Il est recommandé de vérifier l'absence d'amorce visible sur l'ensemble de la membrane lors de chaque fermeture. En cas d'amorce, contacter le SAV afin de prévoir la reparation.

LA PISCINE N'EST PLUS SÉCURISÉE LORSQUE :

- The water drainage holes, located on the cover, are blocked.
- Rainwater does not drain naturally and there are puddles on the cover.
- The water level is not observed.
- The cover is not properly and fully engaged and locked in the rail.
- The cover is damaged (tear, etc.).



- The mechanism has not reached its end position/end of the rail.
- A rail has knocks and/or scratches.
- A rail has shifted.
- The joint between two rails is no longer properly secured or is no longer aligned.
- The side hatch of the casing is not locked, the remote control key is on the box. (C600-C650-C800-C850-C900)
- The painted casing is not covering the mechanics. (C600-C650-C800-C850-C900)
- The painted casing with the jacks option is not placed on the ground in closed or open position. (C600-C650-C800-C850-C900)
- The control box is not disconnected from the mechanism. (C500SA-C700SA)
- The calibration bar is not in place. (C500M-C500SA-C700M-C700SA)
- The manual operating device is not removed from the system after use. (C500M-C700M + XXX)

1.3 INSPECTION OF SAFETY ELEMENTS (TO BE CONDUCTED REGULARLY)

- Check that the cover perfectly engages in the rails and remove all dirt from them if necessary (sand, ant nests, leaves, branches, earth...) before handling the cover.
- Check the condition of the edge strips and seams (no tears).
- Check the status of the straps.
- Check the stability and resistance of the anchoring surfaces (copings, decks or terraces).
- Check the efficiency of the automatic water levelling and water drainage system (of the overflow).

1.4 POOL/HOME ENVIRONMENT ELECTRICAL POTENTIAL

The entire swimming pool area must be electrically connected to earth (especially when using a water treatment device such as a salt chlorinator or an automatic pH or chlorine regulator). If this is not the case, residual eddy currents may cause uncontrolled oxidation of the metal fixtures present around the pool (screws, ladder, various metal parts of the safety cover, rails, etc.).

The manufacturer will not be liable for any non-conformities resulting from a noncompliant installation.

In order to have the same electrical potential throughout the installation, it is compulsory to ask your installer to install a "pool-earth" (in accordance with the standards in force).

1.5 ANCHORING SURFACES

The Coverseal cover exerts significant lateral traction (up to 100kg per linear meter).

These anchoring surfaces must be flat, stable and solid and must be able to withstand such traction over time. It is therefore important to regularly check their stability and resistance.



2.1 GENERAL RULES

- The Coverseal (except manual models C500M and C700M) is equipped with two 12-volt batteries which, depending on the model, either continuously recharge by means of 2 photovoltaic panels (C600-C650-C800-C850-C900), or are placed in the control housing and are recharged from the mains via the charger supplied by the manufacturer (C500SA-C700SA). Fully charged batteries allow about 10 openings/closings for covers of approx. 13m in length.
- For Coverseal used for an indoor swimming pool or a swimming pool under an opaque shelter, not fitted with solar panels but equipped with a mains charge terminal block, it is essential to leave the current permanently connected to the charge terminal and to keep the cover closed and charging when the pool is not in use, even for long periods.
- In the event of the presence of water or ice or of an obstacle (a load) on the Coverseal cover when opening, the mechanism will stop automatically as a jam in the fabric will trigger the circuit board safety mechanism (except on manual models C500M and C700M which do not have one). It is therefore imperative to close the cover and remove the obstacle prior to opening again.
- The Automatic model (C600-C650-C800-C850-C900) is equipped with a remote control powered by a battery and operated by a magnetic or mechanical key, depending on the configuration of the pool and its environment. It is compulsory to attach the remote control on a fixed support, in a place with a full view on the pool. The key used to operate the box must be kept out of the reach of children. It works on the dead man principle, that is, when you release the key when closing or opening the cover, it stops immediately. In the event of a reduction in range when using the remote control, it is advisable to change the battery. In certain environments prone to electromagnetic interference, proper operation of the remote control cannot be guaranteed and the use of the wired control is recommended.
- For Coverseal devices for an infinity pool, or a mirror pool, it is essential to keep filtration active continuously so that any water on the fabric is drained and thus maintain the cover compliant with the AFNOR standard. If, however, filtration were required to be stopped, it is essential to drain the water on the cover using a water pump.

It is prohibited to:

- K walk on the cover,
- suse the cover as a play area,
- swim beneath the cover,
- use the axis of the cover as a diving board or as a springboard (C500M-C500SA-C700M-C700SA),
- Less the casing as a diving board or springboard (C600-C650-C800-C850-C900),
- sit on the winding shaft (C500M-C500SA-C700M-C700SA),
- sit on the casing or on the photovoltaic panels (C600-C650-C800-C850-C900),
- be in the path of the mechanism when opening or closing the cover,
- stop the cover in an intermediate position (safety cannot be guaranteed),
- k use cutting or sharp objects near the cover (e.g.: mower, trimmer, etc.),
- leave the control box plugged in after opening/closing the cover (C500SA-C700SA),
- handle the cover when the temperature is below 5°C,
- handle the cover when the rails are frosted or iced,
- handle the cover when it appears damaged or is not properly locked in the rail,
- handle the cover when the system no longer travels perpendicular to the rails,
- handle the cover when there is an obstacle or weight on the cover (puddles, snow, ice, person(s), animals or any other object),
- Handle the cover when the proper fixture of the rails is no longer ensured (unscrewed rail, fixture removed, etc.).

Contact your installer as soon as possible for any anomaly or malfunction.

2.2 STEPS FOR OPENING OR CLOSING THE COVERSEAL COVER

The person operating the Coverseal cover must ensure that there no-one is bathing and always have the pool in view during opening or closing operations. It is imperative to open or close the cover completely, never leaving it in an intermediate position. As a guide, opening or closing takes approximately 60 seconds for a cover 13 metres in length.

AUTOMATIC MODEL (C600-C650-C800-C850-C900)

2.2.1 COVER OPENING/CLOSING

a. Using the remote control:

- 1. Insert the magnetic or mechanical key into the remote control attached to the wall.
- 2. Hold the key in the direction of opening (open) or closure (close). You must hold the key in the desired position to open or close the cover.
- 3. It is compulsory to always have a view of the pool when using the remote control.
- 4. The cover will stop automatically once it reaches end-of-stroke.
- 5. For covers equipped with jacks (C650-C850): hold the key in its position until the casing is completely placed on the ground.
- 6. Once the cover is at end-of-stroke, remove the key from the remote control.

b. With the wired control:

- 1. Unlock the latch located on the side hatch of the casing using the key and open the hatch.
- 2. Enter the command and press simultaneously on 2 buttons: open + central button or close + central button.

You must keep these two buttons pressed to open or close the cover.

- 3. Accompany the mechanism during opening or closing.
- 4. The cover will stop automatically once it reaches end-of-stroke.
- 5. For covers equipped with jacks: keep the buttons pressed until the casing is completely placed on the ground.
- 6. Once the cover is at end-of-stroke, replace the control on the base provided for such purpose.
- 7. Close the hatch with the key and remove the key.



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c. For manual operating:

Manual operating device should only be used in the event of a power failure for models other than the C500M and C700M. Improper use of the manual operating device (forcing mechanically) may lead to damage to your cover, which will not be covered by the manufacturer's or the distributor's warranties.

Under no circumstances should you unpin your cover.

1) Remove the 2 hatches (one on each side of the casing). For modules without jacks, go straight to point 3.



2) Lower the 2 levers on the motor side and opposite motor side. Lift the casing on each side (motor and opposite motor) until you hear a click. Bear in mind the weight of the casing!



3) Locate the red motor cable and disconnect it





4) Locate the manual operating flange and insert the extension provided upon installation into the manual operating flange









5) Place the ratchet wrench on the end of the extension, and adjust the knob to the desired position.





You can now operate the system to open or close the cover. To replace your cover, reverse steps 5 to 1.

SEMI-AUTOMATIC MODEL (C500SA-C700SA)

2.2.2 COVER OPENING

- 1. Disconnect the control box from its charger.
- 2. Insert the control box plug into the free connector located on the cover.
- 3. Simultaneously press the yellow "start" button followed by the "open" or "close" button.
- 4. Accompany the mechanism during opening or closing.
- 5. Stop movement by releasing the buttons before reaching the end of the rail (+/-5cm).
- 6. Once the cover has finished opening or closing, replace the control box on the charger provided for such purpose.

See point 2.2.3. Recharging the control box.

2.2.3 RECHARGING THE CONTROL BOX







To recharge your control box, you must first locate the charge terminal block, then connect your charger as shown in the photo. The Power, Slow (or normal) and 24V LEDs are then all 3 lit. Once the battery is fully charged, the 100% LED will also light up. You must leave your charger plugged into the control box as long as you are not using it.



Connector located



Connector plugged in



View of the charger in operation



MANUAL MODEL (C500M - C500SA - C700M - C700SA)

1) Insert your manual operating device in the hole provided for this purpose and choose the desired direction: opening or closing

Opening or closing









2) Follow the cover as it travels by moving laterally





2.3 PROCEDURE IN THE EVENT OF FABRIC JAM

If objects not pertaining to the Coverseal system are present (weight, water, ice, bath towel, pool toys, etc.) on the cover or its rails, the mechanism will stop automatically as a jam in the fabric will trigger the circuit board safety mechanism.





You must then:

- Not force the system, either electrically or manually o Manual opening can be performed using the ratchet wrench and its extension.
- Remove the obstacle before opening again.
- 6 Check that nothing remains stuck in the rails or in the system.
- K Fully re-close the cover.
- K You can then safely re-open your cover.

In case of recurring problems, please contact the technical service of your Coverseal partner.

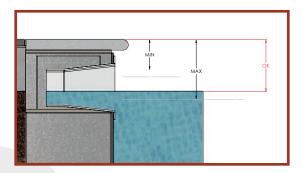
Failure to follow these instructions may damage certain parts/components of the cover, thus rendering it unusable. Any damage due to not following the procedure in the event of a jam will not be covered by the warranty and all costs shall be borne by the customer.

2.4 WATER LEVEL TO BE OBSERVED

It is essential to keep a certain level of water in the pool to ensure the proper functioning of the mechanism and therefore the safety of the pool. Never use the cover if the water level is not observed.

- In winter, do not lower the water level (beyond MAX) since too low a level, for example in the event of snow, risks damaging the cover, the copings or the anchoring surfaces.
- If the water level is too high, there is a risk of blocking the cover and the safety of the pool can no longer be guaranteed.

It is strongly recommended to consider using a pool level regulator (an "overflow" is generally placed in the skimmers).



For the right water level, the distance between the upper level of the coping and the pool water level must always be within the following ranges (depending on the width of your swimming pool).

Pool Width	Less than 4m	From 4 to 5m	From 5 to 6m	From 6 to 7m	From 7 to 8m	From 8 to 9m	From 9 to 10m	From 10 to 11m	From 11 to 12m
Minimum Distance (MIN)	8 cm	10 cm	12 cm	14 cm	16 cm	18 cm	20 cm	22 cm	24 cm
Maximum Distance (MAX)	15 cm	17 cm	19 cm	21 cm	23 cm	25 cm	27 cm	29 cm	31 cm

2.5 CHECKING PROPER FUNCTIONING

In the event of a longer period of non-use, it is advisable to check proper functioning and ensure that the mechanism has been properly cleaned, to eliminate any leaves, branches, earth, sand or other foreign bodies.

Prior to all handling:

- Check that the cover is still properly engaged and locked in the rails. Vérifier que
- la Check that the cover is not damaged (tears, etc.). Veiller à ce que les rails de
- Make sure that the guide rails are not blocked by any object and are still properly aligned.

During handling:

- K When opening and closing, make sure that the cover reaches end-of-stroke.
- Make sure that opening and closing is performed smoothly and continuously.

2.6 WATER TREATMENT WITH A COVERSEAL COVER

A Coverseal pool cover = Less pool maintenance products

The Coverseal helps protect your pool and reduce its maintenance.

However, this does not make it exempt from appropriate water treatment.

As with all pools, it is essential to regularly monitor the pH and adjust product dosage accordingly.

Your pool installer is your best advisor concerning the treatment of your pool water.

Be careful with non-"self-regulating*" manual and automatic treatments:

As the Coverseal fabric is almost waterproof and barely allows the passage of UV rays, it is imperative to reduce the quantity of water treatment products in order to avoid damaging your cover (or your pool).

You should therefore change your habits in this regard and/or adapt your existing equipment:

For "manual" water treatment (chlorine tablet, etc.), you should reduce the amount of water treatment products and regularly check your readings to avoid overdosing. Check with your pool installer.

For a non-"self-regulating*", "automatic" water treatment system, you must adapt the dosage of your water treatment device so as not to add excess chemical products and regularly check your water readings. It is also possible to fit your cover with a closure detector (option available from Coverseal) which, coupled to your dosing pump will stop or reduce water treatment.

Fora water treatment system by electrolysis (non-"self-regulating"), the addition of this option is compulsory!

However, it is essential to check with the water treatment system installer in order to ascertain the compatibility of your device with the closure detector offered by Coverseal.

Do not perform any chlorine shock treatment or massive addition of any product to your pool (bag of salt, liquid chlorine, etc.)

Failure to follow these guidelines is damaging to your Coverseal cover as it could cause oxidation and damage the cover edge strips and some metal parts.

The warranty on the cover will not apply if these guidelines are not followed.

*A "self-regulating" system is understood as being any device that calculates the readings of your water in real time and adapts or stops the production of chemicals to avoid overdosing. You must still remain most vigilant in the maintenance of the probes of your

water treatment system, which requires regular maintenance in order to prevent malfunction and subsequent chemical overdoses.



The Coverseal pool cover is a durable piece of equipment that can be used as a winter cover. It will protect your pool and ensure its safety.

It is forbidden to operate the cover when the outside temperature is below 5°C.

Overwintering must be carried out following the guidelines and under the responsibility of your pool specialist, scrupulously complying with Article 2.4 Water level to be observed.

For infinity pools, or mirror pools, please see point 3.1 concerning the filtration of your cover.

3.1 DIFFERENT STAGES FOR ACTIVE OVERWINTERING

- 1. Activate filtration every day in compliance with the instructions of your pool specialist. In weather conducive to frost, we advise you to leave filtration on permanently (24 hours a day).
- 2. The Coverseal cover requires a certain water level (see point 2.4 "Water level to be observed")
- 3. For the Automatic model (C600-C650-C800-C850-C900), you can leave the batteries in the cover mechanism, they will recharge via the photovoltaic panels provided the temperature is above -20°C. In the case of a temperature below -20°C, please remove your batteries and store them in a dry place, plug them into the charger, at ambient temperature between 5°C and 35°C.
- 4. For the Semi-Automatic model (C500SA-C700SA) leave the control box all winter on the cover charger, the batteries will be ready to restart. The charger consumes very little continuous electric current.
- 5. For the Manual model (C500M-C700M), keep the manual operating device in a dry place.

3.2 DIFFERENT STAGES FOR PASSIVE OVERWINTERING

- 1. Lower the water level to below the skimmers, the return nozzles and the cleaning connector.
- 2. Purge the hydraulic system.
- 3. Install the overwintering plugs and protect the skimmers using anti-freeze devices (see instructions from your pool specialist).
- 4. The Coverseal cover requires a certain water level. Therefore, top up the water level immediately (see point 2.3 "Water level to be observed").
- 5. For the Automatic model (C600-C650-C800-C850-C900), you can leave the batteries in the cover mechanism, they will recharge via the photovoltaic panels provided the temperature is above -20°C. In the case of a temperature below -20°C, please remove your batteries and store them in a dry place, plug them into the charger, at ambient temperature between 5°C and 35°C.



- 6. For the Semi-Automatic model (C500SA-C700SA) leave the control box all winter on the cover charger, the batteries will be ready to restart. The charger consumes very little continuous electric current.
- 7. For Manual models (C500M-C700M), keep the manual operating device in a dry place.

Never keep the pool water level too low in winter (see point 2.4 Water level to be observed). If the water level is too low there is a risk of damaging the cover or the anchoring surfaces (copings, decks or terrace) and of no longer guaranteeing the safety of the swimming pool. In the event of snowfall, for example, the cover must be able to rest on the pool water to prevent any damage.

If the pool is not equipped with a water level regulator ("overflow"), after winter, the water level may be too high. It will then be necessary, before opening the cover (in the spring), to drain the water from the cover using your filtration pump or a vacuum pump, for example.



• 3.3 OVERWINTERING SWITCH: ESSENTIAL TO DEACTIVATE THE REMOTE CONTROL RADIO FREQUENCY RECEIVER

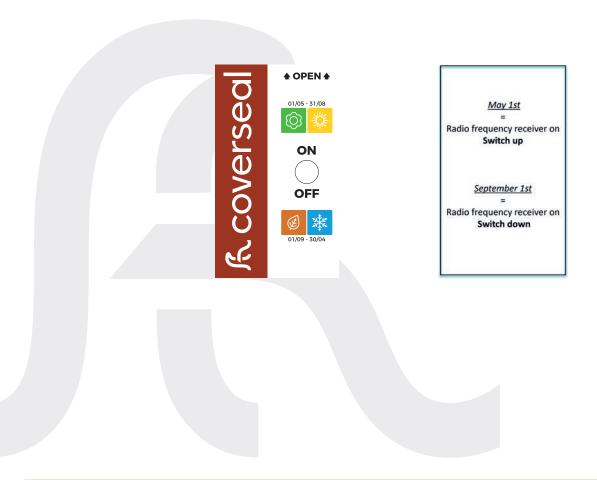
The Automatic model (C600-C650-C800-C850-C900) is equipped with an overwintering switch on the electrical box which, in the low position (OFF), cuts off the radio frequency (RF) system (remote control) for the winter period from 1 September to 1 May (when you least use your Coverseal).

Indeed, during this winter period, the reduced luminosity does not allow the solar panels to compensate for the consumption of the radio frequency (RF) receiver and the battery completely discharges, thus deteriorating and requiring replacement at your own expense.

By disconnecting, using the overwintering switch, the radio frequency receiver reduces electrical power consumption and prevents major discharge of the battery. It is therefore essential to abide by this instruction in order to ensure the correct use of your Coverseal.

Once the switch is in the OFF position, you can open and close your cover using the 3-button wired control. See point 2.2 Steps for opening and closing your cover.

The company Coverseal will not be able to guarantee any battery defect related to incorrect switch position in the period concerned.





Coverseal

The service life of your COVERSEAL cover and its proper functioning depend on thorough, regular maintenance.

Maintenance consists mainly of removing any waste that may accumulate on the cover, in the rails and edge strip engagement mechanism. It is important to thoroughly clean the cover before handling.

Also be careful not to store the cover rolled up with a pile of leaves or debris. It could rot and stain the PVC indelibly.

4.1 GENERAL SAFETY CONDITIONS

We recommend that you respect the following safety conditions scrupulously when maintaining your COVERSEAL cover:

- Clear all obstacles from the cover before each cleaning.
- Mear protective gloves when cleaning.
- R Take care not to leave maintenance products within the reach of children.
- Follow the safety instructions for the cleaning products used.



4.2 MAINTENANCE/CLEANING CONDITIONS

4.2.1 THE FABRIC

It is up to you to clean the fabric, and we recommend cleaning regularly at least twice a year depending on the pool environment (presence of trees, sand, earth, etc.). In any case, you must clean before re-opening and restarting your pool.

Ideally, a household high pressure cleaner should be used, limiting the pressure to 80 bars.

It can be used with a pH neutral product such as Stone (Kärcher brand).

NB: Be careful not to use just any product as you could damage the cover.

Never use alcohol, solvents, acidic or corrosive products to clean the cover, but only water or a product recommended by the company COVERSEAL (see above) and a sponge or a soft brush. Do not use abrasive tools and professional high-pressure cleaners with a sandblasting or other system.

For cleaning, the cover must be completely closed and locked.

4.2.1 THE RAILS

Regular rail maintenance will increase the service life of your cover; So, you must clean the inside of the rails to remove all dirt, dust, earth, sand, tree needles or other foreign bodies. This must be carried out with the cover rolled up (pool open). Cleaning should be done using a vacuum cleaner/blower first and then a water jet to finish off, if necessary.

To clean the inside of the rails, gently lift the black conveyor (belt).

It is imperative to then replace the conveyor correctly in the rail. If the conveyor is not properly replaced, it may lead your Coverseal to jam.

Be careful not to accumulate dirt in the rails after opening and closing the cover.



4.2.3 PHOTOVOLTAIC PANELS (MODELS C600-C650-C800-C850-C900)

When dirty, clean the photovoltaic panels using a "chamois" type cloth and glass cleaner. Regular maintenance of the photovoltaic panels increases battery service life. Do not run a broom or stiff bristle brush over the photovoltaic panels.



4.2.4 BENEATH THE COMPLETE CASING AND ENGAGING PARTS

It is also essential, using a vacuum cleaner or a water jet, to clean the part beneath the casing in order to remove dirt, dust, leaves, sand, earth, etc. that has accumulated there, whether on the terrace itself, on the fabric or on the rails and mechanical parts.



4.2.5 STAINLESS STEEL CASING (MODELS SA500-SA700)

To clean the stainless steel elements of your cover, use a soft "chamois" type cloth, water and soap and finish with a stainless steel lubricant (for example: MOTIP brand stainless steel cleaner - supplied upon installation). Above all, do not use scouring wipes or sponges as they could cause irreparable scratches to the stainless steel.

4.2.6 PAINTED CASING

Galvanized steel or aluminium casings are powder coated. This industrial painting principle guarantees a long lifespan. To clean the painted casing, use a "chamois" type cloth, water and neutral pH soap (washing-up liquid, granule-free). Above all, do not use scouring wipes or sponges as they could cause irreparable scratches to the paint.

4.2.7 INDOOR POOL MAINS CHARGING SYSTEM (MODEL C600-C650-C800-C850-C900)

Regular maintenance of the charge terminal block ensures that the battery is charged correctly. Use the abrasive side of a dishwashing-type sponge or a nylon brush to remove any corrosion spots, a degreasing spray (for example: WÜRTH brand type 20 cleaner - Non corrosive cleaner with antistatic effect) to remove impurities and finally a silicone spray (SCO brand spray) supplied when installing your Coverseal to protect the terminal block.

4.2.8 PRECAUTIONS IN CASE OF INSECTS

The casing of your cover may, occasionally, be used as a place of refuge by certain insects (wasps, etc.).

It is therefore advisable to check, especially in summer, that no nests have been made inside the casing, with a quick visual check opening the hatches. If necessary, call a professional pest exterminator.

Should you have any further questions, do not hesitate to contact the technical service.





