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Blue Wave NS530

Blue Wave NS530 14-mil Solar Blanket Instruction Manual

Model: NS530

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1. INTRODUCTION

The Blue Wave NS530 14-mil Solar Blanket is designed for rectangular in-ground pools, measuring 20-ft x 40-ft. This innovative pool cover utilizes solar heating to efficiently warm your pool water and reduce heat loss. Its clear plastic design allows maximum sunlight penetration, ensuring consistent and natural heating.



Image 1.1: Blue Wave NS530 Solar Blanket installed on a rectangular pool.

Key benefits of using this solar blanket include:

- **Energy Conservation:** Increases water temperature by up to 15 degrees Fahrenheit using solar energy.
- **Minimized Heat Loss:** Insulating thermal bubbles prevent heat escape during cool nights and cloudy days.
- **Superior Durability:** Constructed from UV-protected and chemical-resistant material for long-lasting performance.
- **Reduced Evaporation:** Helps prevent up to 95% of water and chemical evaporation.
- **Debris Protection:** Keeps leaves and dirt out of the pool, reducing cleaning efforts.

2. SETUP AND INSTALLATION

Follow these steps to properly set up your solar blanket:

1. **Unpack the Blanket:** Carefully unroll the solar blanket next to your pool.
2. **Positioning:** Place the blanket directly onto the water surface of your pool with the bubble side facing down into the

water. The flat side should face upwards.

3. **Trimming for Fit:** The solar blanket is designed to be trimmed to fit the exact shape of your pool. Use a pair of sharp scissors to cut the blanket to match the contours of your pool. This customization ensures optimal coverage and performance.



Image 2.1: Trimming the solar blanket for a custom fit.

For pools with irregular shapes, ensure all edges are covered to maximize heat retention and debris protection.

3. OPERATION

Using your Blue Wave solar blanket is straightforward:

- **Daily Use:** For maximum heating and chemical retention, keep the solar blanket on the pool surface whenever the pool is not in use.
- **Removing the Blanket:** When you wish to use the pool, carefully remove the blanket. If using a reel system, roll the blanket onto the reel. If not, fold or roll it neatly to the side of the pool. Avoid dragging the blanket over rough surfaces to prevent damage.
- **Bubble Side Down:** Always ensure the bubble side of the blanket is facing down into the water. This design maximizes solar heat absorption and insulation.

Keeps Your Pool Cleaner

A great way to save on energy, minimize maintenance, and extend swim time.



Natural Heat Boost

Traps the sun's warmth to raise pool temps by up to 15°F.



Reduces Evaporation

Prevents up to 95% of water and chemical evaporation, minimizing refills and maintenance costs.



Helps Block Debris

Keeps out leaves and dirt so your pool stays cleaner with less effort.

Image 3.1: The thermal bubble technology helps retain heat and keep the pool clean.

The insulating air pockets within the blanket lock in heat and slow evaporation, keeping your pool warmer for longer, even on cool or cloudy days.

4. MAINTENANCE

Proper care will extend the life of your solar blanket:

- **Cleaning:** Clean the blanket with appropriate solutions as needed. A soft brush and mild soap can be used to remove dirt and debris from the surface. Rinse thoroughly with water.
- **Storage:** When not in use for extended periods (e.g., during winter), clean the blanket thoroughly, allow it to dry completely, and store it carefully. Avoid sharp objects that could puncture the material. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Punctures:** The material is durable but can be punctured by sharp objects. Exercise caution when handling and storing the blanket.

5. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Issue: Pool water is not heating sufficiently.**
Solution: Ensure the bubble side of the blanket is facing down into the water. Verify that the blanket covers the entire pool surface with minimal gaps. Maximize direct sunlight exposure to the blanket.
- **Issue: Debris accumulating on top of the blanket.**
Solution: Regularly rake or brush off leaves and other debris from the top surface of the blanket before removal. This prevents debris from falling into the pool when the blanket is taken off.
- **Issue: Algae growth in the pool despite using the blanket.**
Solution: While the blanket helps retain chemicals, it does not replace proper chemical balancing and filtration.

Ensure your pool's chemical levels (chlorine, pH, etc.) are maintained and the filtration system is running adequately. Remove the blanket periodically to allow for water circulation and chemical distribution.

- **Issue: Punctures or tears in the blanket.**

Solution: Small punctures can often be repaired using a vinyl repair kit designed for pool liners or covers. For larger tears, replacement may be necessary. Handle the blanket with care to prevent damage.

6. SPECIFICATIONS

Feature	Detail
Model Number	NS530
Dimensions	20-ft W x 40-ft L x 0.5-in H (480 x 240 x 0.5 inches)
Material	Plastic (14-mil thickness)
Color	Clear
Shape	Rectangular
Item Weight	54 Pounds
Special Features	Foldable, Lightweight, Thermal Insulation, UV Resistant
Installation Type	Floating
GTIN / UPC	672875301294

7. WARRANTY INFORMATION

Your Blue Wave NS530 14-mil Solar Blanket comes with a **6-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For warranty service or inquiries, please refer to the contact information provided in the Support section.

8. CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact Blue Wave customer service. You can find up-to-date contact information on the official Blue Wave website or through your retailer.

Visit the [Blue Wave Store on Amazon](#) for more product information and support resources.