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SAFEBUILDER CR06

SAFEBUILDER Construction Safety Helmet User Manual

Model: CR06 | Brand: SAFEBUILDER

1. INTRODUCTION

The SAFEBUILDER Construction Safety Helmet (Model CR06) is designed to provide superior head protection in various demanding work environments. Constructed from high-strength ABS material, this hard hat offers robust defense against impacts while ensuring user comfort through its adjustable features and ventilation system. It is certified to meet stringent safety standards, making it an essential piece of personal protective equipment for construction, industrial, and other hazardous work settings.



Figure 1.1: SAFEBuilder Construction Safety Helmet (01-KLT Hard Hat color variant).

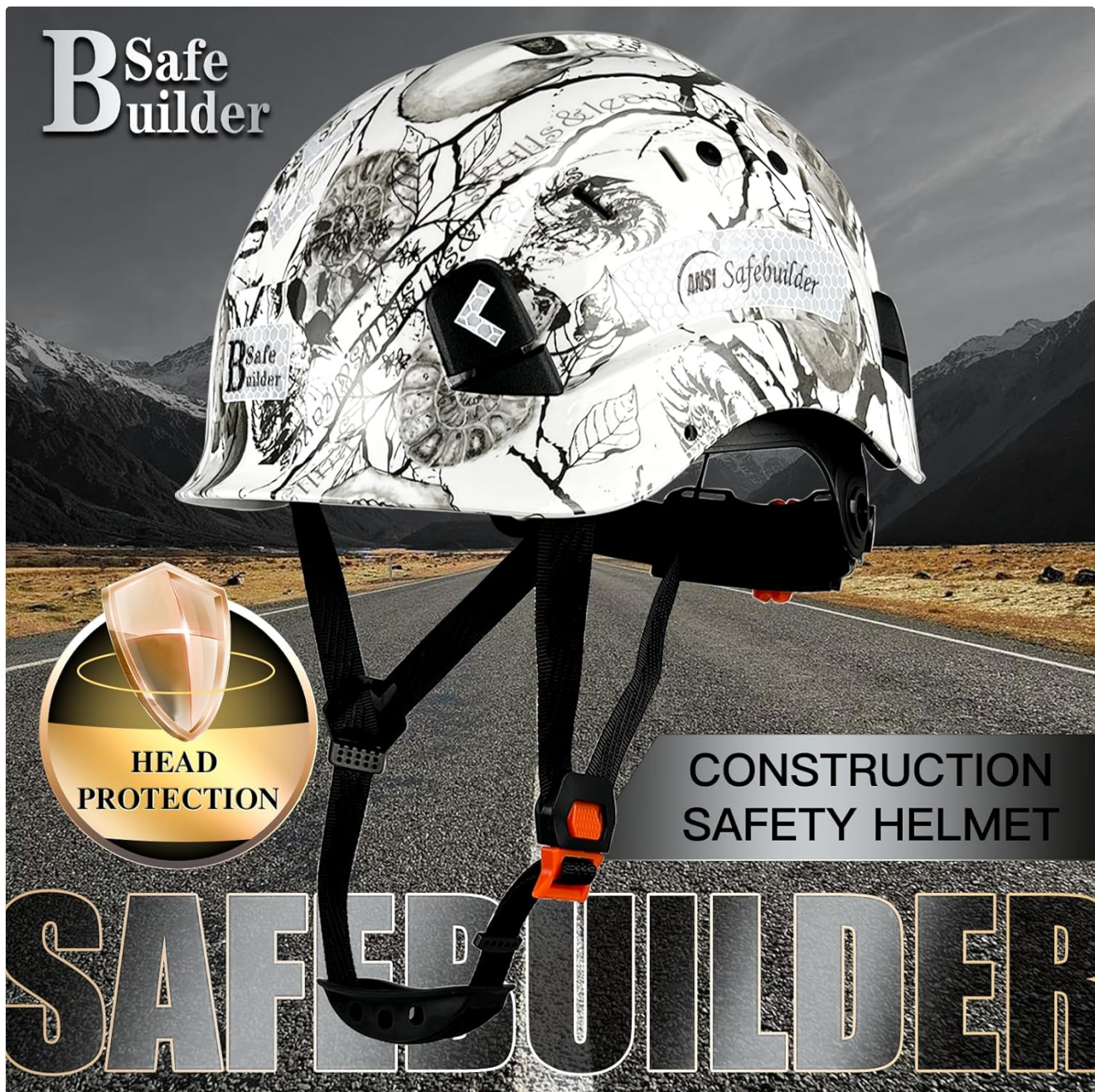


Figure 1.2: The helmet emphasizes comprehensive head protection for industrial and construction work.

2. SAFETY INFORMATION AND CERTIFICATIONS

This SAFEBUILDER Work Hard Hat is engineered to meet rigorous safety standards, ensuring optimal protection for the wearer. Adherence to these guidelines is crucial for maintaining the helmet's protective capabilities.

2.1. Certifications

- **ANSI Z89.1-2014:** Type 1 Class C Standards. This certification indicates the helmet provides protection against top impacts and is electrically conductive (Class C).
- **CE EN397-2012:** Certified for industrial safety helmets, including performance at -20°C.

2.2. Material and Durability

The helmet is constructed from high-strength ABS (Acrylonitrile Butadiene Styrene) material, known for its excellent impact resistance and durability, providing reliable protection in hazardous environments.

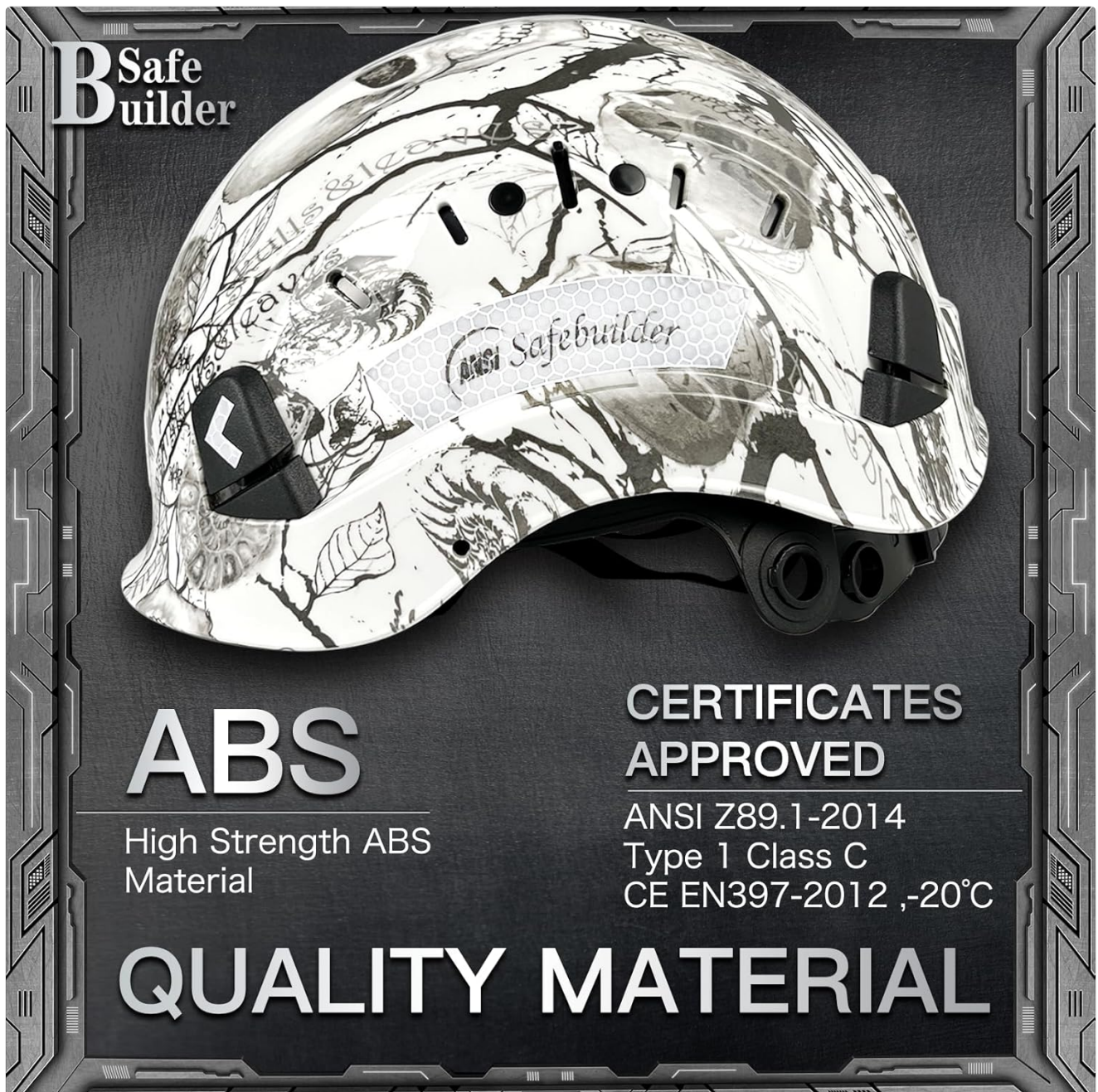


Figure 2.1: Helmet construction from high-strength ABS material, meeting ANSI Z89.1-2014 and CE EN397-2012 standards.

2.3. General Safety Guidelines

- Always inspect the helmet for any signs of damage (cracks, dents, fraying straps) before each use. Do not use a damaged helmet.
- Replace the helmet immediately after it has sustained an impact, even if visible damage is not apparent.
- Do not modify or alter the helmet in any way, as this may compromise its protective capabilities.
- Ensure the helmet fits snugly and securely on your head to provide maximum protection.
- Clean the helmet regularly according to the maintenance instructions to ensure longevity and hygiene.

3. COMPONENTS AND FEATURES

The SAFEBuilder Construction Safety Helmet is designed with several key components to ensure comfort, adjustability, and maximum protection.

- **ABS Shell:** The outer shell provides robust impact protection.
- **6-Point Suspension System:** Distributes impact force evenly across the head, enhancing shock absorption and comfort.
- **Y-Type Chinstrap with Soft Chin Cover:** Keeps the hard hat securely fixed on the head and is adjustable for a comfortable fit.
- **Adjustable Head Size:** A ratchet closure system allows for easy adjustment to fit head sizes from 53-63cm (20.87-24.80 inches).
- **Adjustable Ventilation System:** Features breathable vents that can be opened or closed to control airflow, reducing sweat in high temperatures and providing rain/dust protection when closed.
- **Reflective Safety Strips:** Strategically placed reflective elements provide 360° visibility for increased safety during nighttime or low-light conditions.
- **Accessory Attachment Points:** Designed to support various accessories, including ear muffs for hearing protection, safety visors (clear or tinted) for eye protection, and headlights for improved visibility.

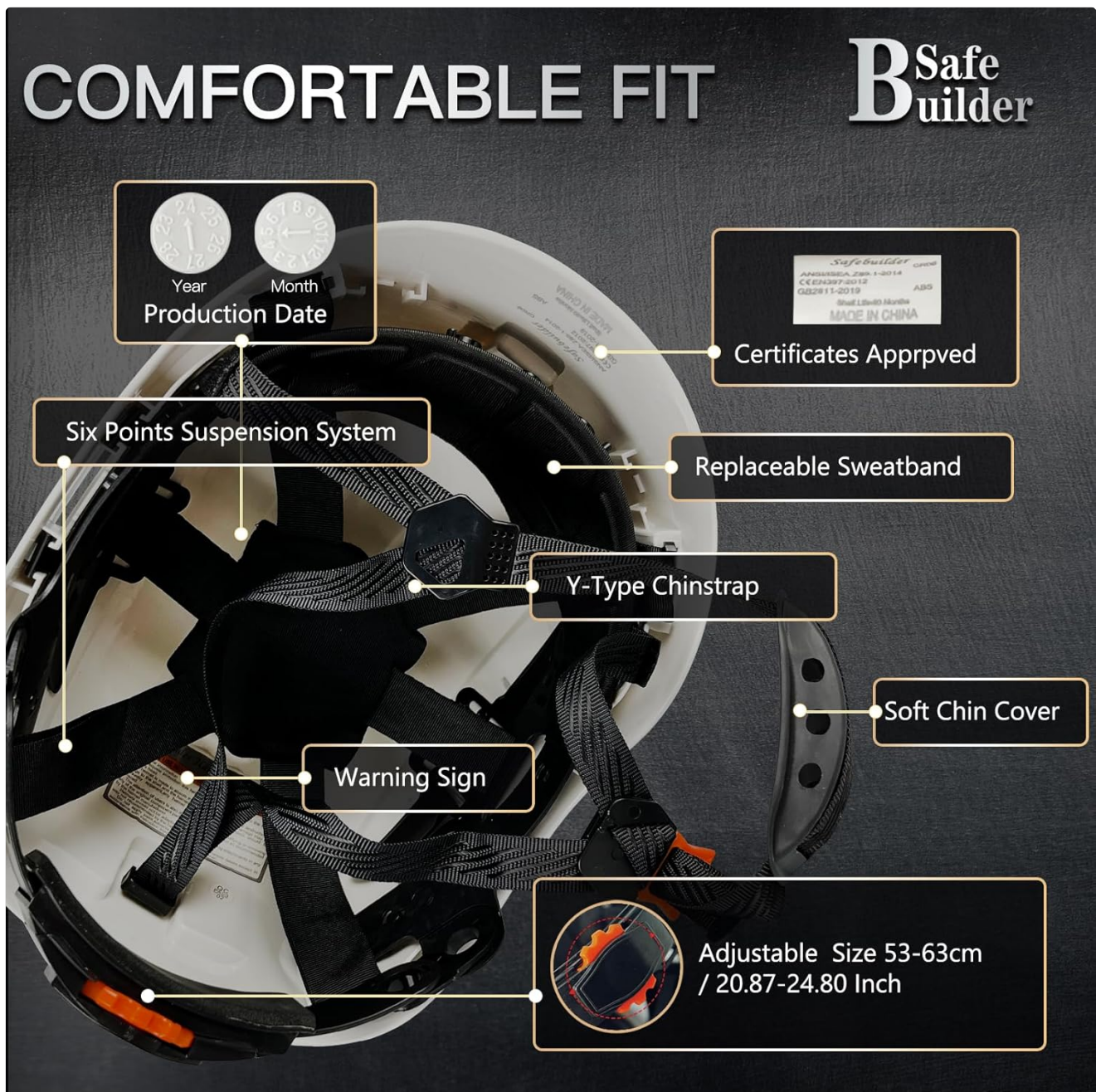


Figure 3.1: Detailed view of internal components including the 6-point suspension, Y-type chinstrap, soft chin cover, and adjustable sizing mechanism.



Figure 3.2: Close-up of the 6-point suspension system and the adjustable ratchet for head size customization.



Figure 3.3: Reflective safety elements on the front, back, and sides of the helmet for enhanced visibility.

4. SETUP AND ADJUSTMENT

Proper setup and adjustment of your SAFEBUILDER helmet are crucial for both comfort and safety.

4.1. Head Size Adjustment

1. Place the helmet on your head.
2. Locate the ratchet adjustment knob at the back of the helmet's suspension system.
3. Turn the knob clockwise to tighten the fit or counter-clockwise to loosen it until the helmet feels snug and secure without being uncomfortably tight. The adjustable range is 53-63cm (20.87-24.80 inches).

4.2. Chinstrap Adjustment

1. Fasten the Y-type chinstrap buckle under your chin.
2. Adjust the straps on both sides to ensure the chin cover is centered and the helmet is stable on your head. The chinstrap should be snug enough to prevent the helmet from shifting during movement but not so tight as to cause discomfort.

4.3. Installing Accessories

The helmet features dedicated slots for various accessories:

- **Visors:** Align the visor's attachment points with the slots on the sides of the helmet and snap them into place. Ensure the visor moves smoothly up and down.
- **Ear Muffs:** Insert the ear muff attachments into the designated slots on the helmet sides until they click securely.
- **Headlights:** Headlights can be attached to the front of the helmet using compatible clips or straps that fit into the helmet's design.



Figure 4.1: Example of a safety visor installed on the helmet.

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Video 4.1: Demonstrates the adjustment of the helmet's internal suspension system and chinstrap, as well as the installation of a visor and ear muffs. (Source: SAFEBUILDER)

5. OPERATING INSTRUCTIONS

5.1. Ventilation Control

The SAFEBUILDER helmet features an adjustable ventilation system to optimize comfort in varying conditions.

- To increase airflow and reduce heat buildup, slide the vent covers open. This is ideal for high-temperature and humid environments.
- To close the vents for rain or dust protection, slide the covers shut.

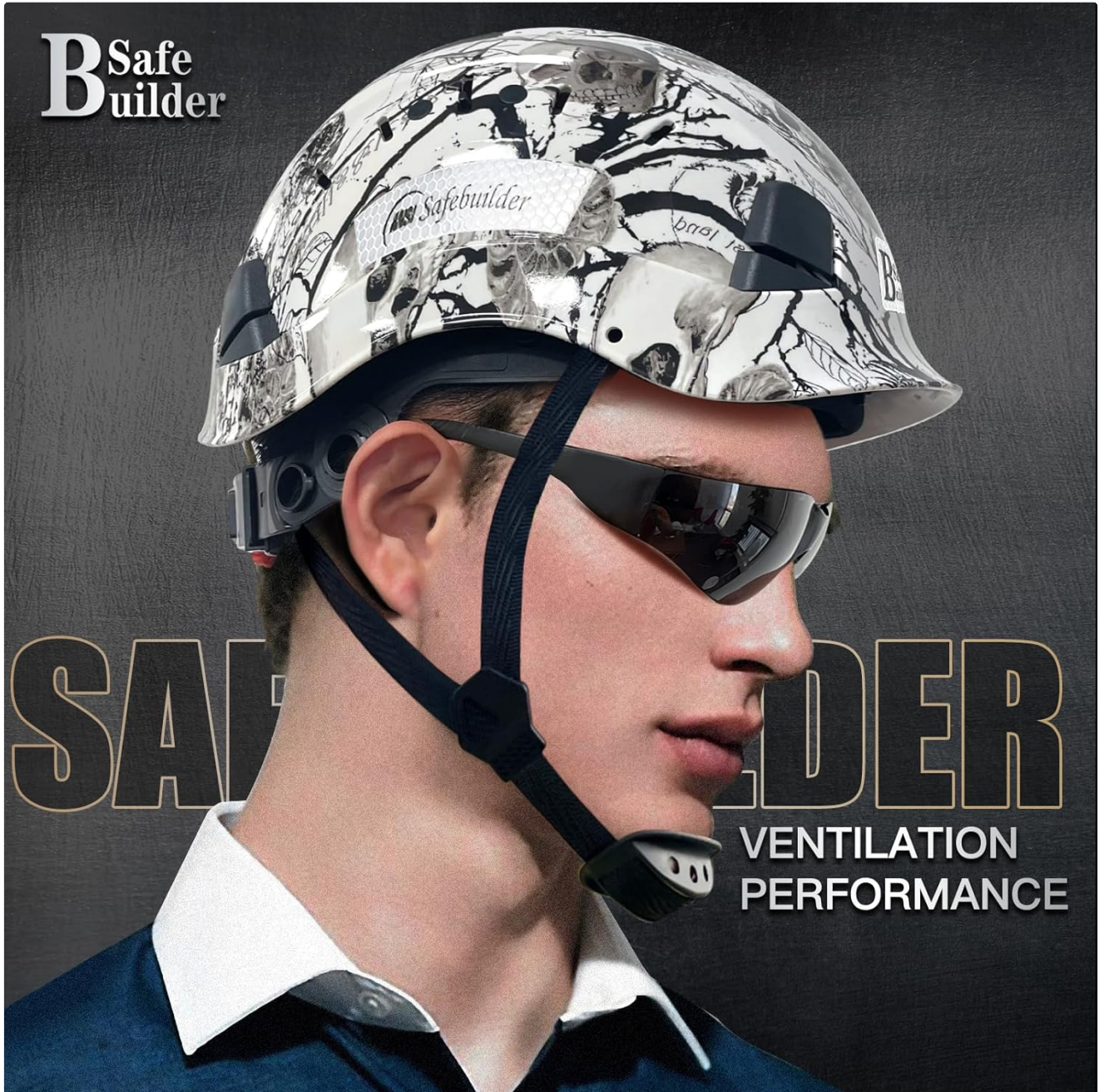


Figure 5.1: The helmet's design incorporates ventilation for user comfort.



Figure 5.2: Visual representation of the helmet's ventilation system and breather switch.

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Video 5.1: Highlights the helmet's adjustable vents and reflective features for safety. (Source: SAFE BUILDER)

6. MAINTENANCE AND CARE

Proper maintenance extends the life of your safety helmet and ensures its continued effectiveness.

6.1. Cleaning

- Clean the helmet shell with mild soap and water. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the ABS material and compromise its protective properties.
- The replaceable sweatband can be removed and washed separately with mild soap and water. Ensure it is completely dry before reattaching.
- Rinse thoroughly with clean water and air dry in a cool, shaded area. Do not expose to direct sunlight or excessive heat.

6.2. Inspection

- Regularly inspect the helmet for any signs of wear, cracks, dents, or discoloration.
- Check the suspension system and chinstrap for fraying, tears, or broken components.
- Ensure all adjustment mechanisms are functioning correctly.
- If any damage is found, replace the helmet immediately.

6.3. Storage

- Store the helmet in a cool, dry place away from direct sunlight, extreme temperatures, and chemicals.
- Avoid storing heavy objects on top of the helmet, as this can deform the shell or suspension system.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SAFE BUILDER helmet.

Problem	Possible Cause	Solution
Helmet feels loose or unstable.	Improper head size adjustment or loose chinstrap.	Adjust the ratchet knob at the back of the helmet to tighten the fit. Ensure the Y-type chinstrap is securely fastened and adjusted.
Helmet feels too tight or uncomfortable.	Head size adjustment is too tight.	Loosen the ratchet knob at the back of the helmet. Ensure the chinstrap is not overly tight.
Poor ventilation.	Vents are closed or obstructed.	Slide the vent covers open to allow airflow. Check for any debris obstructing the vents.
Accessories (visor, ear muffs) do not attach securely.	Incorrect alignment or incompatible accessory.	Ensure the accessory's attachment points are correctly aligned with the helmet's slots. Verify that the accessory is compatible with the SAFEBUILDER CR06 model.
Visible damage to the helmet shell or suspension.	Impact or wear and tear.	Immediately cease use and replace the helmet. A damaged helmet cannot guarantee protection.

8. SPECIFICATIONS

- **Brand:** SAFEBUILDER
- **Model Name:** CR06
- **Style:** Construction Work Hat
- **Color:** 01-KLT Hard Hat (Specific variant, other colors available)
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Item Weight:** 1.1 Pounds
- **Size:** 53-63 cm / 20.87-24.8 inch (Adjustable)
- **Closure Type:** Ratchet
- **Specification Met:** ANSI/ISEA Z89.1-2014, Type 1 Class C; CE EN397-2012 (-20°C)
- **Number of Items:** 1 (Helmet)
- **Item Package Dimensions L x W x H:** 10.67 x 9.02 x 6.69 inches
- **Package Weight:** 0.51 Kilograms
- **Date First Available:** October 16, 2023

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The SAFEBUILDER Construction Safety Helmet comes with a 30-day warranty from the date of purchase. This warranty covers manufacturing defects. It does not cover damage resulting from misuse, accidents, alterations, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For any questions, concerns, or support needs regarding your SAFEBUILDER product, please contact SAFEBUILDER customer service. Refer to the product packaging or the official SAFEBUILDER website for the most current contact information.