

Use and Care Manual for Body Armor

coN2R Body armor – NIJ 0101.04 level II and IIIA

Welcome to VALKRE Body Armor

Body armor is a vital piece of protective equipment. This manual contains several important instructions that all body armor users must follow. Failure to follow these instructions may result in the voiding of the body armor warranty or, in the worst case, a reduction in the level of protection provided by the armor.



Quality and Protection

Each body armor is manufactured under ISO 9001-certified production.

The protection level of the protective panel has been tested by an accredited laboratory and is marked on the inside of the protective panel.

NIJ 0101.04 level II means that the protects against 9 mm Full Metal Jacketed Round Nose (FMJ RN) bullets, with nominal masses of 8.0 g (124 gr) impacting at a minimum velocity of 367 ± 9.1 m/s, and 357 Magnum Jacketed Soft Point (JSP) bullets, with nominal masses of 10.2 g (158 gr) impacting at a minimum velocity of 436 ± 9.1 m/s.

NIJ 0101.04 IIIA means that the armor protects against 9 mm Full Metal Jacketed Round Nose (FMJ RN) bullets, with nominal masses of 8.0 g (124 gr) impacting at a minimum velocity of 436 ± 9.1 m/s, and 44 Magnum Semi Jacketed Hollow Point (SJHP) bullets, with nominal masses of 15.6 g (240 gr) impacting at a minimum velocity of 436 ± 9.1 m/s.

Basic Structure of the Armor

The most important part of body armor is the protective panel, which is made of ballistic protective material. VALKRE body armor uses protective materials from the world's leading manufacturers.

The garment part visible to the body armor user is on top of the protective panel, designed to hold the protective panels as comfortably as possible on the user's body. The inner surface of most body armor garments is air-channeled to prevent body heating and sweating.

If you remove the protective panels from the garment, ensure they are returned correctly. The text "**Strike Face**" indicates the outer surface of the protective panels and should face away from the body.



If you use removable additional plates, the same marking can be found on the outer surface of the additional plates. Do not use anything other than VALKRE additional plates or garments with VALKRE protective panels.

Putting on the Body Armor

Ensure that the protective panels are inside the garment and facing the correct direction. Pull the armor over your head and fasten it lightly at the waist. Adjust the height of the armor with the shoulder adjustments. The front panel of the armor should protect the body from the collar bone to the navel. Next, check that the back is at the same height as the front and adjust the waist fastening. Note that the armor should not be too tight or too loose. The armor should stay in place but should not be so tight that it restricts movement. A new armor will conform to the wearer's body during the first few weeks of use.



Storage

After use, place the armor in horizontal storage (not on a hanger) at room temperature or in a cool, dry place (+15 to +25°C). A storage location that is too hot will cause premature aging of the armor.

The ideal storage location is, for example, a fairly dense mesh installed horizontally in a room-temperature space, on which the armor can be placed horizontally. If the armor is damp/sweaty, open the armor horizontally to dry, with the damp side facing up. For long-term storage, additional plates must be removed from the armor during storage. The armor must not be folded.

Cleaning

If washing the garment is necessary, first remove the protective panels and close all Velcro fasteners completely. The garment can be hand-washed in +40°C water with mild detergent and air-dried.

The surface of the protective panels and any additional plates can be cleaned with a damp cloth. The protective panel must not be washed with water, soaked, or immersed in water. After washing or cleaning, the armor parts must be allowed to dry before reassembling and using the armor.

Ensure that the protective panels and additional plates are returned to the armor in the correct orientation, with the **“Strike Face”** marking facing outward.

Chemical cleaning and dry cleaning of protective panels and garments, as well as drying in the sun, is strictly prohibited.



Warranty

VALKRE body armor has a 10-year shelf-life warranty from the date of manufacture. The shelf life is calculated from the manufacturing date marked on the protective panel.

VALKRE armor has a 6-year protection warranty from the date of purchase. The outer cover warranty is 2 years from the date of purchase.

The warranty requires that the body armor has been used properly.

Warnings

Always use the correct protective panels in garments.

Note the indicated protection level when using the armor.

Do not use armor that is damaged.

Do not use armor whose previous storage method you do not know.

We are happy to provide additional information about body armor and its use and selection.

Last update: 03-2026

