EU Declaration of Conformity

Object of Certificate: **Occupational footwear against electrical hazards, with leather upper**

Article number: GAUSS CK

Material, design: I/A, low shoes

Name and address of Manufacturer: RHINO WORK Srl. Address: Str. Calea Moldovei, No. 45. CP 600352 Bacau Romania

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The content of the declaration is the sole responsibility of the accountable manager of RHINO WORK Srl.

Occupational footwear against electrical hazards, with leather upper
Article number: GAUSS CK
Material, design: I/A, low shoes

The personal protective equipment referred to as the object of the declaration is in conformity with the relevant Union harmonisation legislation:
REGULATION (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment
It meets the requirements of the following harmonised standards: EN ISO 20344:2011, EN ISO 20345:2011
It meets the requirements of the following testing instruction: No. VU-1-11 Testing Instructions, prepared by Mádi és Társa Ltd.
Mádi és Társa Technical, Safety and Service Ltd. Notified Body, Notification number: 1556, has carried out the EU-type examination (Module B), issued the EU-type Examination Certificate no. 9/2019, and, under his supervision „Conformity to type based on product checks, Module C2" conformity assessment procedure is carried out.

Bacau 08. July 2019.
Name and function of Signatory

SOCIETATEA COMERCIALĂ * RHINO WORK S.R.L. * BACĂU - ROMANIA *

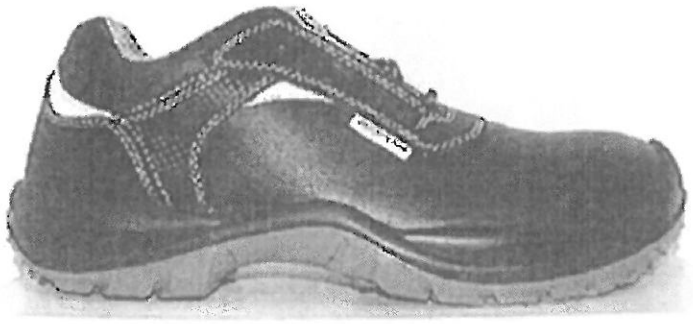
Managing Director

RHINO WORK S.R.L.
Calea Moldovei nr. 45, Bacău, jud. Bacău, România, cod poştal 600352
Tel: 0234-576000; 0234-576953; Fax : 0234-576953; e-mail : constantin@sirsafety.ro

INFORMATION-INSTRUCTIONS
Safety shoes, anti-perforation, hydrocarbon resistant anti-slip sole,
type SB E WRU P FO SRC model GAUSS

Before using your footwear, please read this "INFORMATION-INSTRUCTIONS" carefully.
Thank you for choosing to buy our footwear. We draw attention to the fact that all content is determined in accordance with point 1.4 of Annex II to Regulation (EU) 2016/425 ". No material used to produce the footwear is harmful to health. This footwear is considered to be PPE (category III) with CE marking in accordance with Regulation (EU) 2016/425 ".

Product description:



Fully padded full-lined full-lined hide-and-bovine leather boots with dual density PU sole, non-metallic security toe and metallic anti-perforation insertion. The upper ensemble (crotch + crotch + chiffon) is lined with carpets, multi-layered knit collar with straps, on the top with nonwoven felt. The collar is made of a leather replacement, with a sponge-like double padding, with rows of uneven and straight stitches arranged obliquely to the top. The bead is assembled over the top and carpets (Polish type), made from a leather lining, lined in the central area with multi-layered knitted mesh. The joining is capped over the carpets with a closure system over the bellows, by fastening through pairs of non-metallic rings. The insole is rigidized and the 1/1 insole roof is made of polyamide spunbonded nonwoven with polyester, nonwoven cloth. The assembly of the sides with the insole is STROBEL type. The double density PU outer sole is injected directly onto the upper assembly ("IJ" fabrication system). The outer sole has parachute at the lip and heel and has a non-slip surface in the form of irregular geometric figures and regular interlaces. It takes place in the 36 ... 48 group (French points). Croup width: 11 Mondopoint. Height of carpets: min. 125 mm (designs of footwear B).
Field of use: Protection of the forefoot against mechanical damage (mechanical shocks of 200J) and crushing (static compressive force of 15kN), protection of lower limbs against minor superficial mechanical aggressions (abrasion, hanging), perforation over 1100N) against penetration and absorption of water through the upper assembly against slipping (on SLS-cleaner and glycerine-coated ceramic flooring), heel protection against mechanical shocks (energy absorbing properties in a minimum 20J heel) hydrocarbon-resistant external soleplate - for handling heavy-duty objects with dropping or rolling hazard, for work in enclosed spaces, in normal environments or potentially explosive atmospheres, for moving on uneven or coated surfaces superficial water.
As a safety footwear against electrical hazards, the footwear can be used expressly in dry conditions on electrical installations of up to 1000 V rated AC, as well as on work which is in accordance with the other aspects of its protection class. It is not capable of static discharge, so if there is a risk of static charge, it CANNOT BE USED! Also, it cannot be used when wet, or in weather conditions when the footwear might become wet. The footwear in itself cannot be used for electrical installations, but only together with other appropriate protective equipment which is in accordance with the risks inherent in the work.

Caution: Perforation resistance characteristics are determined under laboratory conditions and simulate the behavior of the shoe when the shoe is worn by a person weighing about 110 kg when, when moving normally on a nail with a diameter of 4.5 ± 0.05) mm and a peak diameter of about 1 mm. Attention is drawn to the fact that shoes may not withstand higher exposure levels (greater weight of the wearer, thinner nails, jumping) and it is advisable to avoid jumping or running during the perforation of the shoe.
Performance: The footwear is designed to comply with the provisions of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 and the essential health and safety requirements corresponding to the intended use. The product underwent the procedure of "EU Type Examination (Module C2)as set out in Annex V of Regulation (EU) 2016/425" to the Notified Body notified by the European Commission (Identification No 1556): Mádi és Társa Ltd. Adress: 1155 Budapest Wysocki street 1. Tel. +3613063978 which issued the EU Type Examination Certificate Nr. 9/2019
- The performance of the product is in accordance with the specifications in the standards:
- SR EN ISO 20345: 2012 (EN ISO 20345: 2011): leather footwear, assortment B, with insole, removable and permeable insole (option 4), inscription category and symbol for "SB, E, WRU, P, FO, SRC" , which means fulfilling the requirements:

- *fundamental requirements*
  - comfort, innocuity, abrasion resistance below 150mm³, shock resistance - 200J and compression -15 kN in the peak area; marking category "SB"
  - slip resistance on ceramic tile floors (coefficient of friction for condition A - forward-side slippage: greater than or equal to 0,28, friction coefficient for condition B - upward sliding: greater than or equal to 0, 32) and on steel flooring with glycerine (C-slip coefficient for forward-facing: 0.13 or higher), friction

coefficient for condition D - sliding forward: greater than or equal to 0, 18) - marking symbol "SRC";
- *additional requirements relating to:*
  - Energy absorption in the heel (minimum 20J) - Marking symbol "E"
  - oil footprint resistance - volume increase below 12% after about 22 hours of immersion) - "FO" marking symbol
  - the resistance of the upper assembly to penetration and absorption of water (water absorption is not more than 30% after 60 minutes from the start of the test and no penetration of more than 2 g occurs - "WRU" marking symbol
- perforation resistance (lower assembly perforation force: minimum 1100 N) - marking symbol "P"

Marking applicable for the electrical insulation property (the application of the marking is based on its compliance with the applied VU-1-12 testing instructions):

i = 1000 V

Note: when applying the VU-1-12 testing instructions, the insulation property of the footwear is not provided by the material of the outer sole, it is the insulation material incorporated into the layers of the sole that prevents the shorting of the circuit.

Before placing it on the market, post-production type testing has to be carried out. The presence of the marking indicating the conformity of the type test has to be checked.

Marking proving the conformity of the footwear on the basis of the post-production type test:

The occupational safety footwear against electrical hazards with leather upper provides limited protection in case of accidental contact with a faulty electrical installation, therefore each pair has to be accompanied with a label that contains the following:

a) Occupational safety footwear against electrical hazards with leather upper has to be worn if there is a risk of electric shock.
b) The occupational safety footwear against electrical hazards with leather upper does not guarantee 100% protection from electric shock, therefore additional measures have to be made in order to avoid any risk.
c) The insulation of the footwear has to meet the requirements of Mádi és Tarsa Ltd. VU-1-12 testing instructions, for the entire service life of the footwear.
d) When in use, this protection level might be affected by the following:
   - Scratches, cuts, abrasion or chemical contamination might damage the footwear; regular check-up is necessary, and the worn-out and damaged footwear should not be used.
   - In case of long-term use as well as use in wet conditions Category I footwear (leather footwear) might absorb moisture and become conductive.

The following table presents the risks to which the protection is provided, the appropriate footwear characteristics and the marking categories or symbols that attest to the feature.

Risks against which shoes provide protection	Protection requirement - European harmonized standard or testing instruction	Essential requirement CESS - Annex 2 / Regulation (EU) 2016/425	Risk category
Crushing your fingers at the impact (shock) of objects from a height by impact	5.3.2.3/EN ISO 20345:2011 Security toecaps that resists 200J shocks - symbol SB	3.1.1	II
Crushing of fingers due to the rolling of heavy objects by static compression	5 3.2.4/EN ISO 20345:2011 Security toecaps that resists compressive forces of 15 kN - symbol SB	3.2.	
Risk of obstruction due to premature deformation of the foot of the shoe when moving on rough surfaces	5.8.3/EN ISO 20345:2011 Abrasion-resistant outsole - Relative volume loss is less than 150 mm^3 for materials with a density greater than 0.9 g / cm^3 - symbol SB	1.3.2	
Risk of obstruction due to premature deformation of the foot of the shoe when it comes into contact with hydrocarbons	6.4.2/EN ISO 20345:2011 Hydrocarbon-resistant outsole - Volume variation after immersion for (22 ± 2) h in isooctane is below 12% and hardness increase below 10 degrees Shore - FO symbol	1.3.2	
Heel remedies due to shocks in the heel area, when moving on uneven surfaces with bumps	6.2.4/EN ISO 20345:2011 Energy absorption in heel (minimum 20 J) - symbol E	3.2.	
Risk of illness due to moisture penetration	6.3/EN ISO 20345:2011 The resistance of the upper assembly to penetration and absorption of water (water absorption is not more than 30% after 60 minutes from the start of the test and no penetration of more than 2 g occurs after another 30min - WRU symbol	1.2.1.	
Punch through the foot with sharp objects	6.2.1/EN ISO 20345:2011 The lower assembly resists a punching force of 1100N - symbol P	3.3.	
Sliding fall on travels on clean ceramic surfaces with detergent	5.3 5.4/EN ISO 20345:2011 Slip resistance on ceramic tile floor with NaLS and on steel floor with glycerine - Coefficient of friction Condition A (forward heel slip): ≥0.28; - Coefficient of friction Condition B (forward flat slip) ard: ≥ 0.32; - Coefficient of friction Condition C (forward heel slip): ≥ 0.13; - Coefficient of friction Condition D (forward flat slip): ≥ 0,18. Symbol: SRC.	3.1 2.1.	
Risk of electric shock	The footwear provides protection against electric shock during work on electrical network or installations of up to 1000 V AC in dry working conditions. Electrical class: "0"	3.8.1.	III

Significance of markings

Marking symbols	Meaning	Application
RHINO WORK S.R.L. Calea Moldovei nr. 45, Bacău, jud. Bacău, România, cod poştal 600352 Tel: 0234-576000; 0234-576953; Fax : 0234-576953 ,e-mail : constantin@sirsafety.ro	Manufacturer + postal address	On the label sewn to the tongue
GAUSS	model code,	
EN ISO 20345:2012	The respected standard	
SB E WRU P FO SRC	category and inscription markings of the provided protection: fundamental requirements (shock resistance 200 J, compression 15 kN in the bomb area, general mechanical strength, abrasion resistance 150 mm3) + closed back + hydrocarbon foot resistance + energy absorption in the heel + resistance of the lower assembly at perforation (1100N) + resistance to water penetration and absorption of the upper assembly SRC = sliding resistance on SLS ceramic tile floors and glycerine steel	
CE	European conformity marking	
xy/ zt	month and year of manufacture	
X	size (French system)	
ANTISLIP OIL RESISTANT SHOCK ABSORBER	features of the sole	Outsole
xxx	serial number of the shoes	

Packaging: in individual cardboard boxes or polyethylene bags + collective cardboard packaging.

Warranty: The warranty period is 12 months on storage and 3 months in the 12 months from the date of manufacture, in use, under the conditions of use in accordance with the instructions for use and maintenance.

Instructions for use:

Caution: When choosing, it should be checked that the footwear is suitable for the risks in the working environment. Changes can remove protective performance. He wears only crooks and clean socks.

Carefully choose the footwear so that the size is right for the foot. The maximum difference must be 2 numbers. The model is not specifically designed for people with structural abnormalities of the foot. Shoes should be worn with clean stockings. Equipping and unraveling is done only with the loose laces. The attempts were made with the insole roof in the footwear. *The footwear should only be worn with the insole roof in the footwear. The insole roof shall only be replaced by a comparable insole roof provided by the shoe manufacturer.*

Instructions for cleaning, cleaning: The footwear incorporates both natural and synthetic materials. Store in a cool, dry, clean place, preferably in the original packaging. In use, it should be cleaned regularly using a damp cloth, including inside, to remove dirt and contaminants from the top and bottom assembly. No sharp objects are used when cleaning. If the shoe has become damp, it should be naturally dried in an open, cool, well-ventilated area. Do not expose to direct sources of heat or radiation. After drying, it is recommended to treat faces with greasy cream or wax or other good quality substances, special for the skin.

It is the duty of the user to examine the footwear before each use for damage, wear and resistance to water (the footwear should not contain a puncture, cut or a well-worn sole. The faulty, damaged footwear should not be worn, and be reported to the employer immediately.

Impacts of sharp objects with scratching and rubbing effect should be avoided.

The damaged footwear has to be impaired in a clearly visible way in order to prevent any accidents and harm to health, and shall be withdrawn form use.

Before the footwear is used, the tread groove depth of the sole should be checked. The use of footwear with worn tread grooves increases the risk of slipping.

Storage and storage instructions. Storage must be done in the original packaging (cartons) in a cool, dry place, clean at temperatures (4-50) ^{0}C, 65% humidity, away from direct heat sources or open flame. Avoid exposure to compression to prevent shoe deformation. Under these circumstances, your footwear retains its quality for a long time, but without a warranty period (expiration). After 3 years of storage, damage to components may occur which may shorten the duration of effective wearing. Storing in inappropriate conditions may speed up the damage. The shoes must be protected against excessive water and heat. No heavy objects should be placed over the shoes. The transport is done with covered means, for example in containers.

Required examination before use recommended to the user of the footwear.

The occupational safety footwear against electrical hazards with leather upper has to be checked at regular intervals, preferably before use and has to be replaced if any of the signs listed below are noticed.

Wide and deep cracks in the material of the upper (1. illustration)

Strong abrasion in the upper, especially if the lining/carrier in the toe cap becomes visible (2. illustration)

Deformations, bums, signs of melting or bubbles in the upper or shaft. (3. illustration)

Cracks longer than 5 mm and deeper than 1 mm in the outer sole. (4. illustration)

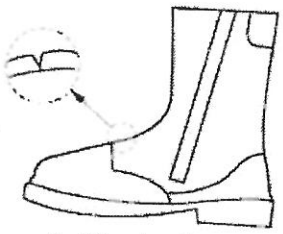
Sole separation longer than 5-10 mm and deeper than 2 mm.

The depth of the tread cannot be smaller than 1,5 mm in the outer sole. (5. illustration)

Severe deformation and wrinkles in the original insock (if any).

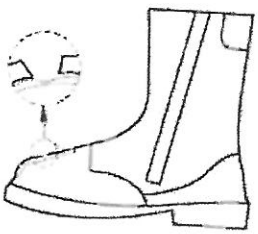
It is recommended to check the inside of the footwear manually at times to find out if the lining / carrier is damaged, or if there are sharp points at the toe cap which might cause injuries. (6. illustration)

Components for fastening the footwear (zipper, lace, eyelet stay, velcro) do not function properly.

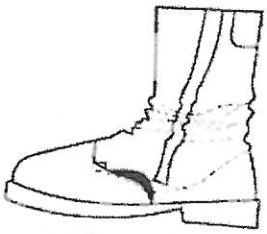


1. illustration

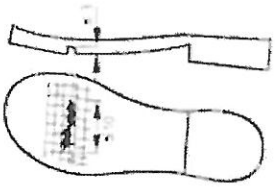
2.



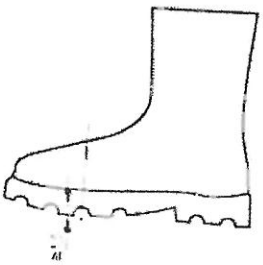
illustration



3. illustration



4. illustration



5. illustration

6. illustration

Factors to consider in terms of security when choosing and using PPE

- Choice of equipment according to the nature and importance of risks and industrial demands:
  - compliance with the manufacturer's instructions (in-use)
  - compliance with the marking of the equipment (protection classes, marking for a specific use)
- Choosing the equipment according to the bearer's conformation
- Appropriate use of PPE on a risk basis
- Compliance with the manufacturer's instructions
- Keeping in good condition
- Periodic inspection
- Replacement on time
- *Failure to do so results in the use of equipment with insufficient protection function.*

"EU Declaration of Conformity" is issued on batch. If it does not accompany the product, the statement can be accessed at www.sirsafety.ro.

Șef Departament Creație
ing. Loredana SPĂTARU