DELTAPLUS

FOOTWEAR EN ISO 20345 EN ISO 20347 EN IEC 61340-5-1

PL OBUWIE OCHRONNE lub DO ZASTOSOWAŃ ROBOCZYCH Zastosowanie: Obuwie ochronne do zastosowania ogólnego oraz takich, w których występują zagrożenia uderzeniem i zmiażdżeniem, zgodnie z oznaczeniem na obuwiu ochronnym i tabelą wymagań w zakresie odporności na poślizg. Kompatybilność tego obuwia z innymi środkami ochrony indywidualnej (obuwie lub nogawice) powinna być weryfikowana przez użytkownika, by uniknąć wszelkich zagrożeń podczas użytkowania. OBUWIE ANTYSTATYCZNE: do znakowania symbol: A-S1-S2-S3-S3L-S3S-S4-S5-S5L-S5S-S6-S7-S7L-S7S lub A-O1-O2-O3-O3L-O3S-O4-O5-O5L-O5S-O6-O7-O7L-O7S.

EN SAFETY or OCCUPATIONAL FOOTWEAR Use instructions: Safety footwear for general use, for use with risks of impact and compression, according to the marking on the safety footwear and the table of slipping requirements. The compatibility of the footwear with other PPE items (pants or leggings) must be verified by the user in order to avoid any risk during use. ANTISTATIC FOOTWEAR: Marking symbol: A-S1-S2-S3-S3L-S3S-S4-S5-S5L-S5S-S6-S7-S7L-S7S or A-O1-O2-O3-O3L-O3S-O4-O5-O5L-O5S-O6-O7-O7L-O7S. Antistatic footwear should be used if it is necessary to minimize electrostatic build-up by dissipating electrostatic charges, thus avoiding the risk of spark ignition of, for example, flammable substances and vapours, and if the risk of electric shock from mains voltage equipment cannot be completely eliminated from the workplace. Antistatic footwear introduces a resistance between the foot and ground but may not provide complete protection. Antistatic footwear is not suitable for work on live electrical installations. It should be noted, however, that antistatic footwear cannot guarantee adequate protection against electric shock from a static discharge as it only introduces a resistance between foot and floor. If the risk of static discharge electric shock, has not been completely eliminated, additional measures to avoid this risk are essential. These measures, and the additional tests mentioned below, are part of the routine inspections included in a programme of prevention of occupational accidents. Antistatic footwear will not provide protection against electric shock from AC or DC voltages. If the risk of being exposed to any AC or DC voltage exists, then electrical insulating footwear shall be used to protect from against serious injury. The electrical resistance of antistatic footwear can be changed significantly by bending, contamination or moisture. This footwear might not perform its intended function if worn in wet conditions. Class I footwear can absorb moisture and can become conductive if worn for prolonged periods in moist and wet conditions. Class II footwear is resistant to moist and wet conditions and should be used is if the risk of exposure exists. If the footwear is worn in conditions where the soling material becomes contaminated, wearers should always check the antistatic properties of the footwear before entering a hazard area. Where antistatic footwear is worn, the resistance of the flooring should be such that it does not invalidate the protection provided by the footwear. It is recommended to wear antistatic socks. It is, therefore, necessary to ensure, that the combination of the footwear its wearers and their environment is capable, to fulfil the designed function of dissipating electrostatic charges, and of giving some protection during its entire life. Thus, it is recommended, that the user establish an in-house test for electrical resistance, which is carried out at regular and frequent intervals. PERFORMANCES: The overall performance of this model is detailed in the performance table below. (See the performances)PART1 Only the risks for which the corresponding symbol shown on the footwear are covered. These guarantees are valid for footwear in good condition and we shall bear no responsibility for any use not provided for under the terms of these instructions. The use of accessories not originally provided, such removable insock, can affect the protection functions, especially for symbols A and C. **Usage limits:** Do not use out of the scope of use defined by the information marked (pay careful attention to the markings/symbols). Do not use for risks that may cause very serious consequences such as death or irreversible damage to health. If the footwear is equipped with a removable insock, the certified ergonomic and protective functions refer to the whole footwear (including the insock). Always use the footwear with its insock in place. Replace the insock only with an equivalent model from the same original supplier. Footwear without removable insocks must be used without insocks, because its introduction could adversely affect the protective functions. Additional information shall be given regarding perforation resistance. The perforation resistance of this footwear has been measured in the laboratory using standardized nails and forces. Nails of smaller diameter and higher static or dynamic loads will increase the risk of perforation occurring. In such circumstances, additional preventative measures should be considered. Three generic types of perforation resistant inserts are currently available in PPE footwear. These are metal types and those from non-metal materials, which shall be chosen on basis of a job-related risk assessment. All types give protection against perforation risks, but each has different additional advantages or disadvantages including the following: Metal inserts (For example :S1P, S3): Are less affected by the shape of the sharp object/hazard (i.e. diameter, geometry, sharpness) but due to shoemaking techniques may not cover the entire lower area of the foot. non-metallic insert (PS or category S1PS, S3L For example :) May be lighter, more flexible and provide greater coverage area, but the perforation resistance may vary more depending on the shape of the sharp object/hazard (i.e. diameter, geometry, sharpness). Two types in terms of the protection afforded are available. Type PS may offer more appropriate protection from smaller diameter objects than type PL. For more information about the type of penetration resistant insert provided in your footwear please contact the manufacturer or supplier detailed on these instructions. This footwear does not contain any substances known to be carcinogenic, toxic or which may cause allergies in sensitive persons. Warning: Never use footwear that is damaged. Always carefully inspect footwear before use, to identify signs of damage. It is appropriate to check from time to time the inside of the footwear by hand, in order to detect deterioration of the lining or the toe protection area with the appearance of sharp edges that could cause injury. A daily check before each use must be carried out in order to detect any defect that it may present. Particular attention must be paid to the seams of the upper footwear, to the wear of the outer sole and to the state of the joint between the upper footwear and the outer sole. Replace it if necessary. The footwear shall not be modified. The resistance properties to the penetration and absorption of water (WPA, S2, S3, S3L, S3S, S6, S7, S7L, S7S, O2, O3, O3L, O3S, O6, O7, O7L, O7S) are only for the upper materials and do not guarantee a complete waterproofness of the footwear. SHELF LIFE (Obsolescence period): The life of the product depends very much on how it is maintained and the environments in which it is used. Due to many factors (temperature, humidity, substances and materials in contact, etc.), the lifespan of these products cannot be precisely defined. As of the date of manufacture indicated on the footwear and in normal use and storage conditions, this footwear can offer adequate protection for a period of 3 to 5 years. **Storage/Cleaning instructions:** Store in a cool, dry place away from frost and light in their original packaging. Limit significant differences in temperature and humidity. To remove dirt and dust, use a non-metallic brush. For stains, use a wet cloth with soap if necessary. To polish, use a standard product following the manufacturer's instructions. To protect the environment, whenever possible have your footwear repaired rather than dispose of them. To dispose of your used footwear, please use the appropriate recycling facilities in your area.

PART 3

FR Performances : Conforme aux exigences essentielles du Règlement (UE) 2016/425 et aux normes ci-dessous. La déclaration de conformité est accessible sur le site internet www.deltaplus.eu dans les données du produit. - **EN** Performances : Comply with the essential requirements of Regulation (EU) 2016/425 and the below standards. The declaration of conformity can be found on the website www.deltaplus.eu in the data of the product.

FR Organisme Notifié ayant procédé à l'Examen UE de type (module B) et ayant établi l'Attestation d'Examen UE de Type. - **EN** Notified Body which carried out the EU-Type Examination (module B) and issued the EU-Type Examination Certificate.

C.T.C. (0075) - PARC TONY GARNIER 4 RUE HERMANN FRENKEL 69367 LYON CEDEX 07 FRANCE.
INTERTEK ITALIA SPA (2575) – VIA GUIDO MIGLIOLI 2/A – 20 063 CERNUSCO SUL NAVIGLIO – MILANO ITALY.
ANCI SERVIZI SECT CIMAC (0465) - VIA ALBERTO RIVA VILLASANTA 3 N84 - 20145 MILANO ITALY.
FOOTWEAR TECHNOLOGIC CENTRE (0160) - INST ESP DEL CALZADO Y CONEXAS POLIGONO INDUSTRIAL CAMPO ALTO 03600 ELDA SPAGNA.
INTERTEK TESTING SERVICES LTD (0362) - CENTRE COURT MERIDIAN BUSINESS PARK - UK - LE19 1WD - LEICESTER ROYAUME-UNI.
SGS FIMKO OY (0598) - TAKOMOTIE 8 FI-00 HELSINKI FINLANDE.
RICOTEST (0498) - VIA TONE 9 - 37010 PASTRENGO (VR) ITALY.

FR Règlement (UE) 2016/425 - **EN** REGULATION (EU) 2016/425

EN ISO 20344:2021 FR Equipement de protection individuelle - Méthodes d'essais pour les chaussures - EN Personal protective equipment - Test methods for footwear

EN ISO 20345:2022 FR Équipement de protection individuelle - Chaussures de sécurité. - EN Personal protective equipment - Safety footwear.

EN ISO 20347:2022 FR Equipement de protection individuelle - chaussure de travail - EN Personal protective equipment - Occupational Footwear

EN61340-5-1:2016 FR Électrostatique: Partie 5-1: Protection des dispositifs électroniques contre les phénomènes électrostatiques - Exigences générales (Contrôle ESD Chaussure) + EN IEC 61340-4-3:2018- Partie 4-3: méthodes d'essai normalisées pour des applications spécifiques - EN Electrostatic - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements (ESD control footwear) + EN IEC 61340-4-3 : 2018 - Part 4-3: Standard test methods for specific applications - Footwear

PART 4

FR Marquage: (1)Identification de l'EPI/ (2)le N° des normes auxquelles le produit est conforme(PART 3)/ Symboles de protection (PART 1) (3)Système de taille/ (4)Lire la notice d'instruction avant utilisation./ (5)Mois et année de fabrication/ (6)L'indication de conformité selon les réglementations en vigueur (pictogrammes)./ (7)le numéro de lot./ (8)Identification du fabricant+adresse postale/ (9)Logo marque du modèle:DELTA PLUS/ (10)Marquage Grande-Bretagne(le cas échéant) **EN Marking:** (1)Identification of the PPE/ (2)the N° of the standards to which the product is compliant(PART 3)/ Protection symbols (PART 1) (3)Size system/ (4)Read the instruction manual before use./ (5) Month and year of manufacture/ (6)The indication of compliance according to the regulations in force (symbols)./ (7)The batch number./ (8)Identification of the manufacturer+Postal address/ (9)Model brand logo:DELTA PLUS/ (10)Great Britain marking(if applicable)

mas+adresas/ (9)Modelio prekės ženklo logotipas:DELTA PLUS/ (10)Didžiosios Britanijos žymėjimas(jei taikytina) **SV Märkning:** (1)Identifikation av personlig skyddsutrustning/ (2)Numren på standarderna som produkten överstämmer med(PART 3)/ Skyddssymboler (PART 1) (3)Storlekar/ (4) Läsa instruktionsbroschyren före användning./ (5)Tillverkningsmånad och -år/ (6)Angivande av överensstämmelse enligt gällande föreskrifter (symboler)./ (7)Serienummer,/ (8)Tillverkarens beteckning+postadress/ (9)Märkets logotyp:DELTA PLUS/ (10)Märkning Storbritannien(om tillämpligt) **DA Mærkning:** (1)Identifikation af personligt værnemiddel/ (2)Nummer på den norm, produktet er i overensstemmelse med,(PART 3)/ Beskyttelsessymboler (PART 1) (3)Størrelsessystem/ (4)Læs brugervejledningen før ibrugtagning./ (5)Fabrikationsmåned og -år/ (6)Indikationen på overholdelse af gældende regulativer (symboler)./ (7)Partinummer,/ (8)Identifikation af fabrikanten+postadresse/ (9)Logo for modelmærket:DELTA PLUS/ (10)Storbritannien mærkat(hvor det er nødvendigt) **FI Merkinnät:** (1)Henkilösuojaintunnus/ (2) standardit, joiden vaatimukset tuote täyttää(PART 3)/ Suojamerkinnät (PART 1) (3)Kokojärjestelmä/ (4)Lue käyttöohjeet ennen käyttöä./ (5)Valmistuskuukausi ja -vuosi/ (6)Vaatimustenmukaisuusmerkintä voimassa olevien määräysten mukaisesti (kuvakkeet)./ (7)erän numero,/ (8)Valmistajan tunnistusmerkintä+postiosoite/ (9)Merkkilogo:DELTA PLUS/ (10)Ison-Britannian merkintä(Jos sovellettavissa) **NO Merking:** (1)Identifisering av PVU/ (2)antall standarder som produktet overholder(PART 3)/ Beskyttelsessymboler (PART 1) (3)Størrelsessystem/ (4)Les bruksanvisningen før bruk./ (5)Måned og produksjonsår/ (6)Indikasjon på samsvar i henhold til gjeldende reguleringer /symboler)./ (7)batchnummeret,/ (8)Produsentidentifikasjon+adresse/ (9)Modellens logo:DELTA PLUS/ (10)GB-merket(Se)

AR العلامات: (1)تعريف معدات الحماية الشخصية/ (2)أرقام المعايير التي تمتثل لها المنتجات(PART 3)/ رموز الحماية (PART 1) (3)نظام التحجيم/ (4) اقرأ(6) دليل التعليمات قبل الاستخدام/ (5)شهر وسنة الصنع/ (6)إشارة إلى المطابقة وفقا للوائح السارية (الرموز)./ (7)رقم الدفعة/ (8)معرف الشركة المصنعة+العنوان/ (9)شعار العلامة:DELTA PLUS/ (10)GB علامة بريطانيا العظمى(إن وجد)

ARGENTINA: INFORMACION ADICIONAL PARA ARGENTINA
Importador en Argentina: ESLINGAR S.A. – Monroe 1295 (1878) Quilmes - Prov. Bs. As. - ARGENTINA - Para más información visite www.deltaplus.com.ar.
Recomendaciones de almacenamiento, conservación y entrega de calzados: ►Almacenar los calzados en ambientes secos y templados (50% HR a 60% HR, 20°C a 22°C). ►Conservar los calzados durante el almacenamiento en lugares limpios y en sus envases individuales. ►Realizar las entregas de stock en el orden en que se recibieron las partidas por parte del proveedor del calzado (sistema FIFO). Instrucciones de uso: Usar el tamaño adecuado. Ajustar el calzado correctamente (cordones, cierres, velcro, otros). Instrucciones de limpieza, higiene y mantenimiento del calzado: ►Proceder a la limpieza utilizando un paño húmedo, libre de detergentes. ►Secar el calzado en forma natural, no exponer directamente a fuentes intensas de calor. ►Higienizar diariamente el interior del calzado con productos pédicos. ►Aplicar tintas o cremas específicas para cueros. Calzado antiestático: Se recomienda usar calzado antiestático cuando sea necesario minimizar la acumulación de cargas electrostáticas, por medio de su disipación, evitando de esta forma el riesgo de inflamación de vapores o sustancias inflamables y, cuando el riesgo de choque eléctrico hacia la persona a partir de un aparato eléctrico no ha sido completamente eliminado. Debe saberse que el calzado antiestático no puede garantizar una protección adecuada contra el choque eléctrico hacia la persona, ya que sólo introduce una resistencia entre el pie y el piso. Si el riesgo de choque eléctrico no fue eliminado completamente, son esenciales medidas adicionales para evitar dicho riesgo. Dichas medidas, así como los ensayos adicionales mencionados más abajo, deben formar parte de los controles de rutina del programa de seguridad del lugar de trabajo. La experiencia demuestra que, para fines antiestáticos, la resistencia eléctrica de un producto debe ser menor que 1 000 MΩ en toda su vida útil. Un valor de 100 kΩ es el límite inferior de resistencia eléctrica del producto, en el estado nuevo, con el fin de asegurar cierta protección contra un choque eléctrico o contra la inflamación, cuando un aparato eléctrico se torne defectuoso cuando funciona a tensiones de hasta 250 V. Bajo determinadas condiciones es conveniente advertir a los usuarios que la protección provista por el calzado puede tornarse ineficaz y deben cumplimentarse otras medidas para proteger al usuario en todo momento. La resistencia eléctrica de este tipo de calzado puede ser modificada de forma significativa por flexión, contaminación y por la humedad. Este calzado no cumple su función si se usa húmedo. Por consiguiente, es necesario asegurar que el producto sea capaz de cumplir su misión correctamente (disipación de cargas electrostáticas y cierta protección) durante toda su vida útil. Se aconseja al usuario establecer un procedimiento de ensayo, a efectuar en el lugar de trabajo, y verificar la resistencia eléctrica a intervalos frecuentes y regulares. Si el calzado se utiliza se en condiciones en que las plantas exteriores son contaminadas, el usuario debe verificar las propiedades eléctricas antes de penetrar en una zona de alto riesgo. En los sectores en los que el calzado es utilizado, la resistencia del piso debe ser tal que no anule la protección provista por éste. En uso no debe introducirse ningún elemento aislante entre el pie del usuario y la plantilla interior. Si se coloca un inserto entre la plantilla interior y el pie, es conveniente verificar las propiedades eléctricas de la combinación calzado/inserto.

TR: İtlahatçı firma :
Delta Plus Personnel Giyim ve İş Güvenliği Ekipmanları San. ve Tic. Ltd. Şti.
Çobançeşme Mahallesi,
Sanayi Caddesi No:58/A-B, Yenibosna, Bahçelievler/ İstanbul – Türkiye. Tel : +90 212 503 39 94

RU: EAC TP TC 019/2011 ГОСТ Р ЕН ИСО 20345-2011

UA: 023
ДСТУ EN20344:2016
ДСТУ EN20345:2016
ДСТУ EN20347:2015

UKCA This product meets the essential requirements of the Regulation 2016/425 on personal protective equipment, as amended to apply in GB.
Module B: Approved Body 0321 - SATRA Technology Centre Ltd, - Wyndham Way, Telford Way, Kettering Northamptonshire - NN16 8SD UK -
Module B: Approved Body 0362 - INTERTEK testing services Ltd, - Centre court, Meridian business Park – Leicester - LE19 1 WD – UK –
Module B: Approved Body 0120 - SGS United Kingdom Limited - Rossmore Business Park - Ellesmere Port, Cheshire CH65 3EN UK
Module B: Approved Body 0194 - INSPEC International Ltd, 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom
Importer : Delta Plus UK Premier Way Blackburn BB1 2JU UK
The declaration of conformity can be found on the website www.deltaplus.co.uk in the data of the product.
Any reference to regulations in this document is meant to be made in reference to the UK law as far as the personal protective equipment is assessed to UKCA Conformity Assessment

SIZES CORRESPONDENCE / CORRESPONDANCE TAILLES

Europ. Sizes	UK Sizes	US Sizes	mm
34	1	2	224
35	2	3	231
36	3	4	237
37	4	5	244
38	5	6	251
39	6	7	257
40	6.5	7.5	264
41	7	8	271
42	8	9	278
43	9	10	284
44	10	11	291
45	10.5	11.5	297
46	11	12	303
47	12	13	310
48	13	14	316
49	14	15	323

MARKING EXAMPLES

① DELTAPLUS STONE OB 42/8UK/9US/278 ③
⑥ CE ④
② EN ISO 20347:2022 OB
⑦ 22/63/XXX MADE IN CHINA 06-2022 ⑤
⑧ DPG – BP140 – 84405 APT - FRANCE ⑨

① DELTAPLUS MIAMI S1P (MIAMISPNO) 42/8UK/9US/278 ③
⑥ CE UKCA ④ ⑩
② EN ISO 20345 : 2022 S1P SR FO
⑦ SH - XX - XX MADE IN CHINA XX-XXXX ⑤
⑧ DPG – BP140 – 84405 APT – FRANCE ⑨

① DELTAPLUS SAGA S3S (SAGAS3BE)(301335) 42/8UK/9US/278 ③
⑥ CE ④ ⑩
② EN ISO 20345:2022 S3S HRO SR FO GB 21148-2020 SB P A
⑦ 22/63/XXX MADE IN CHINA 06-2022 ⑤
⑧ DPG – BP140 – 84405 APT - FRANCE ⑨

① DELTAPLUS TW402 S3S 42/8UK/9US/278 ③
⑥ CE UKCA ④ ⑩
② EN ISO 20345:2022 S3S HRO HI CI SR FO GB 21148-2020 SB P A
⑦ 22/63/XXX MADE IN CHINA 06-2022 ⑤
⑧ DPG – BP140 – 84405 APT - FRANCE ⑨

① DELTAPLUS VIAGI S1P ESD (VIAGIEPNR) 42/8UK/9US/278 ③
⑥ CE ④
② EN ISO 20345 : 2022 S1PS SR FO
EN 61340-5-1 : 2016 ESD control footwear
⑦ SH - XX - XX MADE IN CHINA XX-XXXX ⑤
⑧ DPG – BP140 – 84405 APT – FRANCE ⑨

ZH

防静电鞋注意事项:
如果必须通过消散电荷来使静电累计减至最小，从而避免诸如易燃物质和蒸汽的火花引燃危险，同时，如果来自任何电器或带电部件的电击危险尚未完全消除，则必须使用防静电鞋。然而，要注意由于防静电鞋仅仅在脚和地面之间加入一个电阻，不能保证对电击有足够的防护。如果电击的危险尚未完全消除，避免这种危险的附加措施是必要的，这类措施与下面提到的附加测试一样应成为工作场所事故预防程序的例行部分。经验表明，对于防静电用途，在写的整个使用期限内的任何时间，通过产品的放电路径通常应有小于1000MΩ的电阻。在新的时候，万一出现任何电器故障，为确保对电击或引燃危险提供一些有限的保护，新鞋的电阻最低限值规定为100kΩ。然后在某些情况下，使用者应知道鞋可能提供不充分的保护且应始终采取附加措施以保护穿着者。这类鞋的电阻可由于曲挠污染或潮湿而发生显著变化。如果在潮湿条件下穿用，鞋将不能实现其预定的功能，因为必须确保产品在整个使用期限内实现其消散静电荷的设计功能并同时提供一些保护，建议使用者建立一个内部电阻测试并定期和经常地使用它。如果鞋在鞋底材料被污染的场所穿用，穿着者每次进入危险区域前应经常检查鞋的电阻特性。在使用防静电鞋的场所，地面电阻不应使鞋提供的防护无效。在使用中，鞋内底与穿着者的脚之间不得有绝缘元件。如果内底和脚之间有鞋垫，则应检查鞋/鞋垫组合体的电阻值。如果在鞋垫和穿着者的脚之间放置某一物品，必须验证鞋子和所放置物品的总体电特性。

三包卡（中国适用）
凡购买本公司合格品安全鞋，本公司承诺如下品质保证:
1. 三个月内出现开胶(深度≥10mm且长度≥50mm)，掉跟、裂跟、跟面脱落、断线、掉浆，视具体穿着情况，包修。
2. 二个月内未穿过的新鞋，两只顺向、大小不一、款色两样，或发现存在开胶(深度≥3mm且长度≥30mm)，包换。
3. 一个月内出现断底、断面、断帮脚，包退。
4. 产品退换需凭发票通过供货商进行。过期品和处理品，不实行三包。

EN

TYPE OF FOOTWEAR →	SAFETY	OCCUPATIONAL
Footwear categories:	SB or S1 → S7 or SBH	OB or O1 → O6 or OBH
Reference standards:	EN ISO 20345 :2022 PL : nail Ø 4,5 mm / PS : Ø 3 mm	EN ISO 20347 :2022 PL : nail Ø 4,5 mm / PS : Ø 3 mm
The markings placed on this product (see marking above) guarantee:		
Marking requirements (*In accordance with the reference standards)	The presence of a toe-protection cap offering protection against impacts equivalent to 200 ±4J(*) and risks of compression under a maximum load of 1500 ±0,1 daN(*)	No protection toe-cap on work footwear
For ABCDE footwear models of classification I (leather and other materials), some markings are included under the following combined symbols:	SB = basic properties S1 = SB + Closed heel region + A + E S2 = S1 + WPA S3 = S2 + P (metallic insert) + cleated outsole S3L = S2 + PL (non-metallic insert) + cleated outsole S3S = S2 + PS (non-metallic insert) + cleated outsole S6 = S2 + water resistance of the whole footwear S7 = S3 + water resistance of the whole footwear S7L = S3L + water resistance of the whole footwear S7S = S3S + water resistance of the whole footwear	OB = basic properties O1 = OB + Closed heel region + A + E O2 = O1 + WPA O3 = O2 + P (metallic insert) + cleated outsole O3L = O2 + PL (non-metallic insert) + cleated outsole O3S = O2 + PS (non-metallic insert) + cleated outsole O6 = O2 + water resistance of the whole footwear O7 = O3 + water resistance of the whole footwear O7L = O3L + water resistance of the whole footwear O7S = O3S + water resistance of the whole footwear
For ABCDE footwear models of classification II (all vulcanized rubber or all moulded polymer), some markings are included under the following combined symbols:	SB = basic properties S4 = SB + Closed heel region + A + E S5 = S4 + P (metallic insert) + cleated outsole S5L = S4 + PL (non-metallic insert) + cleated outsole S5S = S4 + PS (non-metallic insert) + cleated outsole	OB = basic properties O4 = OB + Closed heel region + A + E O5 = O4 + P (metallic insert) + cleated outsole O5L = O4 + PL (non-metallic insert) + cleated outsole O5S = O4 + PS (non-metallic insert) + cleated outsole
For the Hybrids footwear, the marking symbol is:	SBH = class II footwear incorporating another material which extends the upper. Moulded = vulcanized rubber or all moulded polymeric foot section integrally moulded around the toecap and often including the outsole, which can be unlined and usually does not incorporate an insole. Mounted = vulcanized rubber or all moulded polymeric foot section that is manufactured separately and then constructed around a conventionally lasted lining /insole construction and often with a separately attached outsole.	OBH = class II footwear incorporating another material which extends the upper. Moulded = vulcanized rubber or all moulded polymeric foot section integrally moulded around the toecap and often including the outsole, which can be unlined and usually does not incorporate an insole. Mounted = vulcanized rubber or all moulded polymeric foot section that is manufactured separately and then constructed around a conventionally lasted lining /insole construction and often with a separately attached outsole.

	Requirements	Coefficient of friction	Symbols
Slip resistance (*In accordance with the reference standards) on ceramic floors	* Basic : Resistance to slipping on Ceramic floor with detergent lubricant NaLS (Lauryl Sulfate)	Forward Heel slip ≥0,31 Backward Forepart slip ≥0,36	None
	* Additional : Resistance to slipping on Ceramic floor with glycerine lubricant	Forward Heel slip ≥ 0,19 Backward Forepart slip ≥0,22	SR

For certain applications however, additional requirements may be necessary.
For information on the degree of protection provided by this footwear, please refer to the table here below :

	Special additional requirements / In accordance with standards EN ISO 20345 and EN ISO 20347	Limits	Symbols	Class I	Class II	HYBRIDE Monted	Moulded
Whole footwear	Perforation resistance : Metallic insert type P, Non-metallic insert type PL, Non-metallic insert type PS	(>1100 N) (>1100 N) (>950 N)	P PL PS	X	X	X	X
	Partially conductive footwear	(≤ 100 kΩ)	C	X	X	X	X
	Anti-static footwear	(> 100 kΩ et ≤ 1000 MΩ)	A	X	X	X	X
	Heat insulation of sole complex	(At 150°C the temperature increase on the upper surface of the insole after 30 min shall be not greater than 22°C.)	HI	X	X	X	X
	Cold insulation of sole complex	(The temperature decrease on the upper surface of the insole shall be not more than 10°C.)	CI	X	X	X	X
	Energy absorption of seat region	(≥ 20 J)	E	X	X	X	X
	Water-resistant footwear	Not any water penetration after 100 trough lengths or after 80 ± 5 mins if dynamic test	WR	X	-	-	-
	Metatarsal protection (for EN ISO 20345 only)	(≥ 100±2J) ≥ 40 mm (EU size 41/42)	M	X	X	X	X
	Ankle protection	(Av< 10kN and single value < 15 kN)	AN	X	X	X	X
	Cut resistance of the footwear (for EN ISO 20345 only)- (excluding design A)	≥ 2,5 (index) (protection zone height ≥ 30 mm) + overlap of toecap ≥ 10 mm)	CR	X	X	X	X
	Abrasion resistance of scuff cap	The scuff cap shall not develop any hole after 8 000 cycles	SC	X	-	-	-
	Slip resistance	On ceramic floor with glycerine	SR	X	X	X	X
Upper	Water penetration and absorption	after 60 min (≤ 0,2 g) and (≤ 30 %)	WPA	X	-	-	-
Outer sole	Resistance to hot contact	(300°C for 60±1s)	HRO	X	X	X	X
	Resistance to fuel oil	(volume increase ≤ 12%)	FO	X	X	X	X
	Ladder grip (cleat design)		LG	X	X	X	X

Legend : « X » = Applicable / « - » = Not applicable

ZH

EN ISO标记类别	分类	性能组合	GB强制标识	GB可选择性能标识
以下足趾保护功能可提供相当于200±4J的冲击防护，以及在1500±0.1 daN最大载荷下的静态压力风险 以下防穿刺功能中, PL 代表 Ø 4.5 mm穿刺钉 / PS 代表 Ø 3 mm穿刺钉				
SB	I或II	足部保护（基本性能）	SB	——
S1	I	SB+A+E+封闭的后跟区域	SB+A	E
S2	I	S1,加上鞋帮防水性能	SB+A	E+WPA(GB为WRU)
S3	I	S2,加上金属防穿刺鞋底和防滑外底	SB+P+A	E+WPA(GB为WRU)
S3L	I	S2,加上PL(非金属防穿刺鞋底)和防滑外底	SB+P+A	E+WPA(GB为WRU)
S3S	I	S2,加上PS(非金属防穿刺鞋底)和防滑外底	SB+P+A	E+WPA(GB为WRU)
S4	II	SB+A+E+封闭的后跟区域	SB+A	E
S5	II	S4,加上金属防穿刺鞋底和防滑外底	SB+P+A	E
S5L	II	S4,加上PL(非金属防穿刺鞋底)和防滑外底	SB+P+A	E+WPA(GB为WRU)
S5S	II	S4,加上PS(非金属防穿刺鞋底)和防滑外底	SB+P+A	E+WPA(GB为WRU)
S6	I	S2,加上全鞋防水	SB+A	E+WR
S7	I	S3,加上全鞋防水	SB+P+A	E+WR
S7L	I	S3L,加上全鞋防水	SB+P+A	E+WR
S7S	I	S3S,加上全鞋防水	SB+P+A	E+WR
SBH	——	混合鞋，II类鞋的鞋底上有其他帮面材料	——	——
OB	——	职业鞋，不含足趾保护功能	——	——

	测试要求	摩擦系数	标识
防滑性（测试鞋类带着的陶瓷地面测试）	基础测试 在瓷砖地面上用十二烷基硫酸钠（NaLS）液体进行防滑系数测试。	鞋跟滑动≥0,31 前掌滑动≥0,36	无
	可选测试 在瓷砖地面上用甘油涂润滑进行防滑系数测试。	鞋跟滑动≥0,19 前掌滑动≥0,22	SR

对于一些特殊应用，可能需要更多的附加要求。
关于这类安全鞋的保护功能，请参阅以下表格。

	特殊附加要求 符合以下标准: EN ISO 20345: 2022 和GB21148-2020	性能参数	标识	I类	II类	混合鞋: 鞋面部分	注塑部分
整鞋	防穿刺性能 金属防穿刺垫 类型P 非金属防穿刺垫 类型PL 非金属防穿刺垫 类型PS	(Ø4.5mm穿刺钉测试到1100N,试样不得穿透或发生层间分离) (Ø4.5mm穿刺钉测试到1100N,试样不得穿透或发生层间分离) (Ø3mm穿刺钉穿透试样部,穿透时最大的力不能小于950N,四次测试平均值不能小于1100N)	P PL PS	X	X	X	X
	部分导电鞋类性能	(≤100 kΩ)	C	X	X	X	X
	防静电性能	(> 100 kΩ and ≤1000 kΩ)	A	X	X	X	X
	绝缘性能	(参照GB21148-2020)	EH(仅用于GB)	X	X	X	X
	鞋底的隔热或抗热性能	(在150°C环境中，放置30分钟后鞋垫上表面的温度升高不得超过22°C)	HI	X	X	X	X
	鞋底的防寒或抗寒性能	(鞋垫上表面的温度下降不得超过10°C)	CI	X	X	X	X
	鞋后跟的能量吸收功能	(≥ 20 J)	E	X	X	X	X
	全鞋防水性能	(如果进行动态试验，鞋在100槽长度的水槽或行走80±5分钟后，不得有任何渗水现象)	WR	X	-	-	-
	跖骨保护性能	(≥ 100±2J) ≥ 40 mm (欧码41码测试要求)	M	X	X	X	X
	踝关节保护性能	(平均值< 10kN 并 单次测试最大值 < 15 kN)	AN	X	X	X	X
	全鞋防切割性能(A类除外)	(防割指数≥2.5+防护区域高度≥30mm+与包头重叠部分≥ 10 mm)	CR	X	X	X	X
	防踢鞋头的耐磨性能	(8000次循环后，防踢鞋头部分不得出现任何孔洞)	SC	X	-	-	-
	防滑性能	(可甘油在陶瓷地板上测试防滑系数)	SR	X	X	X	X
帮面	抗渗水和吸水性能	(60分钟后进水量≤0.2g, 吸水率<30%)	WPA(GB为WRU)	X	-	-	-
外底	耐高温接触性能	(300°C 持续接触 60±1s)	HRO	X	X	X	X
	耐油性能	(体积膨胀<12%)	FO	X	X	X	X
	爬梯掌握(鞋底花纹)		LG	X	X	X	X

标签说明 «X» = 适用 / «-» = 不适用