

FEDERALE OVERHEIDSDIENST ECONOMIE,
K.M.O., MIDDENSTAND EN ENERGIE

[C – 2020/30520]

Bureau voor Normalisatie (NBN)
Registratie van Belgische normen

1. Overeenkomstig artikel 26 van het koninklijk besluit van 25 oktober 2004 betreffende de bekrachtiging en de registratie van de door het Bureau voor normalisatie openbaar gemaakte normen, kondigt dit Bureau de registratie aan van de hierna volgende Belgische normen:

NBN EN 12259-14:2020

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 14: Sprinklers for residential applications

NBN EN 12390-12:2020

Testing hardened concrete - Part 12: Determination of the carbonation resistance of concrete - Accelerated carbonation method

NBN EN 12697-11:2020

Bituminous mixtures - Test methods - Part 11: Determination of the affinity between aggregate and bitumen

vervangt NBN EN 12697-11:2012 (3e uitgave)

NBN EN 12697-14:2020

Bituminous mixtures - Test methods - Part 14: Water content

vervangt NBN EN 12697-14:2001 (1e uitgave)

NBN EN 12697-19:2020

Bituminous mixtures - Test methods - Part 19: Permeability of specimen

vervangt NBN EN 12697-19:2012 (3e uitgave)

NBN EN 12697-20:2020

Bituminous mixtures - Test methods - Part 20: Indentation using cube or Marshall specimens

vervangt NBN EN 12697-20:2012 (2e uitgave)

NBN EN 12697-21:2020

Bituminous mixtures - Test methods - Part 21: Indentation using plate specimens

vervangt NBN EN 12697-21:2012 (2e uitgave)

NBN EN 12697-22:2020

Bituminous mixtures - Test methods - Part 22: Wheel tracking

vervangt NBN EN 12697-22+A1:2007 (2e uitgave)

NBN EN 12697-28:2020

Bituminous mixtures - Test methods - Part 28: Preparation of samples for determining binder content, water content and grading

vervangt NBN EN 12697-28:2001 (1e uitgave)

NBN EN 12697-34:2020

Bituminous mixtures - Test methods - Part 34: Marshall test

vervangt NBN EN 12697-34:2012 (3e uitgave)

NBN EN 12697-39:2020

Bituminous mixtures - Test methods - Part 39: Binder content by ignition

vervangt NBN EN 12697-39:2012 (2e uitgave)

NBN EN 12697-40:2020

Bituminous mixtures - Test methods - Part 40: In situ drainability

vervangt NBN EN 12697-40:2012 (2e uitgave)

NBN EN 12697-45:2020

Bituminous mixtures - Test methods - Part 45: Saturation Ageing Tensile Stiffness (SATS) conditioning test

vervangt NBN EN 12697-45:2012 (1e uitgave)

NBN EN 12697-46:2020

Bituminous mixtures - Test methods - Part 46: Low temperature cracking and properties by uniaxial tension tests

vervangt NBN EN 12697-46:2012 (1e uitgave)

NBN EN 12697-6:2020

Bituminous mixtures - Test methods - Part 6: Determination of bulk density of bituminous specimens

vervangt NBN EN 12697-6:2012 (3e uitgave)

NBN EN 12897:2016+A1:2020

Water supply - Specification for indirectly heated unvented (closed) storage water heaters

NBN EN 12973:2020

Value Management

vervangt NBN EN 12973:2000 (1e uitgave)

NBN EN 13150:2020

Workbenches for laboratories in educational institutions - Dimensions, safety and durability requirements and test methods

vervangt NBN EN 13150:2001 (1e uitgave)

NBN EN 13206:2017+A1:2020

Plastics - Thermoplastic covering films for use in agriculture and horticulture

vervangt NBN EN 13206:2017

NBN EN 13230-4:2016+A1:2020

Railway applications - Track - Concrete sleepers and bearers - Part 4: Prestressed bearers for switches and crossings

vervangt NBN EN 13230-4:2016

NBN EN 1363-1:2020

Fire resistance tests - Part 1: General requirements

vervangt NBN EN 1363-1:2012 (2e uitgave)

NBN EN 13922:2020

Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels

vervangt NBN EN 13922:2011 (2e uitgave)

NBN EN 14103:2020

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of ester and linolenic acid methyl ester contents

vervangt NBN EN 14103:2011 (2e uitgave)

NBN EN 14276-1:2020

Pressure equipment for refrigerating systems and heat pumps - Part 1: Vessels - General requirements

vervangt NBN EN 14276-1+A1:2011 (2e uitgave)

NBN EN 14276-2:2020

Pressure equipment for refrigerating systems and heat pumps - Part 2: Piping - General requirements

vervangt NBN EN 14276-2+A1:2011 (2e uitgave)

NBN EN 1459-1:2017+A1:2020

Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks

vervangt NBN EN 1459-1:2017

NBN EN 14848:2020

Aerosol containers - Metal containers with 25,4 mm aperture - Dimensions of valve cups

vervangt NBN EN 14848:2005 (1e uitgave)

NBN EN 14915:2013+A2:2020

Solid wood panelling and cladding - Characteristics, requirements and marking

vervangt NBN EN 14915:2013+A1:2017

NBN EN 14972-8:2020

Fixed firefighting systems - Water mist systems - Part 8- Test protocol for machinery in enclosures exceeding 260 m³ for open nozzle systems

NBN EN 14972-9:2020

Fixed firefighting systems - Water mist systems - Part 9: Test protocol for machinery in enclosures not exceeding 260 m³ for open nozzle systems

NBN EN 14988:2017+A1:2020

Children's high chairs - Requirements and test methods

vervangt NBN EN 14988:2017

NBN EN 1502:2020

Inland navigation vessels - Boarding stairs

vervangt NBN EN 1502:1996 (1e uitgave)

NBN EN 15153-1:2020

Railway applications - External visible and audible warning devices - Part 1: Head, marker and tail lamps for heavy rail

vervangt NBN EN 15153-1:2013+A1:2016

NBN EN 15153-2:2020

Railway applications - External visible and audible warning devices - Part 2: Warning horns for heavy rail

vervangt NBN EN 15153-2:2013 (2e uitgave)

NBN EN 15153-3:2020

Railway applications - External visible and audible warning devices - Part 3: Visible warning devices for urban rail

NBN EN 15153-4:2020

Railway applications - External visible and audible warning devices - Part 4: Audible warning devices for urban rail

NBN EN 15388:2020

Agglomerated stone - Slabs and cut-to-size products for vanity and kitchen tops

vervangt NBN EN 15388:2008 (1e uitgave)

NBN EN 15567-1:2015+A1:2020

Sports and recreational facilities - Ropes courses - Part 1: Construction and safety requirements

vervangt NBN EN 15567-1:2015 (2e uitgave)

NBN EN 16087-1:2020

Soil improvers and growing media - Determination of the aerobic biological activity - Part 1: Oxygen uptake rate (OUR)

vervangt NBN EN 16087-1:2011 (1e uitgave)

NBN EN 16282-6:2020

Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 6: Aerosol separators; Design and safety requirements

NBN EN 16334-2:2020

Railway applications - Passenger alarm system - Part 2: System requirements for urban rail

NBN EN 16604-20:2020

Space sustainability - Planetary protection

NBN EN 16796-6:2020

Energy efficiency of Industrial trucks - Test methods - Part 6: Container straddle carrier

NBN EN 16905-2:2020

Gas-fired endothermic engine driven heat pumps - Part 2: Safety

NBN EN 17092-2:2020

Protective garments for motorcycle riders - Part 2: Class AAA garments - Requirements

vervangt NBN EN 13595-1:2002 (1e uitgave), NBN EN 13595-2:2002 (1e uitgave), NBN EN 13595-3:2002 (1e uitgave), NBN EN 13595-4:2002 (1e uitgave)

NBN EN 17092-3:2020

Protective garments for motorcycle riders - Part 3: Class AA garments - Requirements

vervangt NBN EN 13595-1:2002 (1e uitgave), NBN EN 13595-2:2002 (1e uitgave), NBN EN 13595-3:2002 (1e uitgave), NBN EN 13595-4:2002 (1e uitgave)

NBN EN 17092-4:2020

Protective garments for motorcycle riders - Part 4: Class A garments - Requirements

vervangt NBN EN 13595-1:2002 (1e uitgave), NBN EN 13595-2:2002 (1e uitgave), NBN EN 13595-3:2002 (1e uitgave), NBN EN 13595-4:2002 (1e uitgave)

NBN EN 17092-5:2020

Protective garments for motorcycle riders - Part 5: Class B garments - Requirements

vervangt NBN EN 13595-1:2002 (1e uitgave), NBN EN 13595-2:2002 (1e uitgave), NBN EN 13595-3:2002 (1e uitgave), NBN EN 13595-4:2002 (1e uitgave)

NBN EN 17092-6:2020

Protective garments for motorcycle riders - Part 6: Class C garments - Requirements

vervangt NBN EN 13595-1:2002 (1e uitgave), NBN EN 13595-2:2002 (1e uitgave), NBN EN 13595-3:2002 (1e uitgave), NBN EN 13595-4:2002 (1e uitgave)

NBN EN 17169:2020

Tattooing - Safe and hygienic practice

NBN EN 17250:2020

Foodstuffs - Determination of ochratoxin A in spices, liquorice, cocoa and cocoa products by IAC clean-up and HPLC-FLD

NBN EN 17251:2020

Foodstuffs - Determination of ochratoxin A in pork meat and derived products by IAC clean-up and HPLC-FLD

NBN EN 17314:2020

Industrial trucks - Specifications and test methods - Operator restraint systems other than lap-type seat belts

NBN EN 17317:2020

Resilient, textile, laminate and modular mechanical locked floor coverings - Light reflectance value (LRV) of a flooring surface

NBN EN 17351:2020

Bio-based products - Determination of the oxygen content using an elemental analyser

NBN EN 17360:2020

Inland navigation vessels - Stanchions and holders for tiltable and detachable railings

NBN EN 17361:2020

Inland navigation vessels - Outboard ladders

NBN EN 17368:2020

Laminate floor coverings - Determination of impact resistance with small ball

NBN EN 267:2020

Forced draught burners for liquid fuels
vervangt NBN EN 267+A1:2011 (4e uitgave)

NBN EN 301 908-15:2020

IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 15: Evolved Universal Terrestrial Radio Access (E-UTRA FDD) Repeaters

NBN EN 302 636-4-1:2020

Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications; Sub-part 1: Media-Independent Functionality

NBN EN 302 663:2020

Intelligent Transport Systems (ITS); ITS-G5 Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band

NBN EN 303 613:2020

Intelligent Transport Systems (ITS); LTE-V2X Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band

NBN EN 3155-017:2020

Aerospace series - Electrical contacts used in elements of connection - Part 017: Contacts, electrical, relay base, female, type A, crimp, class P - Product standard

vervangt NBN EN 3155-017:2006 (1e uitgave)

NBN EN 3155-018:2020

Aerospace series - Electrical contacts used in elements of connection - Part 018: Contacts, electrical, male, type A, crimp, class S - Product standard

vervangt NBN EN 3155-018:2006 (1e uitgave)

NBN EN 3219:2020

Aerospace series - Heat resisting nickel base alloy (NI-P100HT) - Cold worked and softened - Bar and wire for continuous forging or extrusion for fasteners - $3 \text{ mm} \leq D \leq 30 \text{ mm}$

NBN EN 3358:2020

Aerospace series - Steel FE-PM1503 (X3CrNiMoAl 13-8-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation treated - Bar for machining - a or $D \leq 150 \text{ mm}$ - $R_m \geq 1400 \text{ MPa}$

NBN EN 3475-513:2020

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 513: Deformation resistance (Installation with plastic cable ties)

vervangt NBN EN 3475-513:2006 (1e uitgave)

NBN EN 3666:2020

Aerospace series - Heat resisting alloy NI-PH2601 - Solution treated and cold worked - Bar for forged fasteners - $D \leq 50 \text{ mm}$ - $1550 \text{ MPa} \leq R_m \leq 1830 \text{ MPa}$

NBN EN 3761:2020

Aerospace series - Heat resisting alloy FE-PA2601 - Softened and cold worked - Bar for forged fasteners - $D \leq 50 \text{ mm}$ - $1100 \text{ MPa} \leq R_m \leq 1300 \text{ MPa}$

NBN EN 4244:2020

Aerospace series - Heat resisting alloy FE-PM1708 - Vacuum arc remelted - Hardened and tempered - Bars - a or $D \leq 200 \text{ mm}$ - $1000 \text{ MPa} \leq R_m \leq 1140 \text{ MPa}$

NBN EN 4245:2020

Aerospace series - Heat resisting alloy FE-PM1708 - Vacuum arc remelted - As forged - Forging stock - $D \leq 300 \text{ mm}$

NBN EN 4264:2020

Aerospace series - Heat resisting alloy X4NiCrMoTi43-13 - As forged - Forging stock - a or $D \leq 200 \text{ mm}$

NBN EN 4426:2020

Aerospace series - Non-metallic materials - Textiles - Test method - Determination of conductivity and pH of aqueous extracts

NBN EN 4533-001:2020

Aerospace series - Fibre optic systems - Handbook - Part 001: Termination methods and tools

vervangt NBN EN 4533-001:2006 (1e uitgave)

NBN EN 4554:2020

General methods for the assessment of the ability to repair, reuse and upgrade energy-related products

NBN EN 4570:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated - Forgings - $De \leq 100$ mm

NBN EN 4571:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated - Bars and sections - $De \leq 100$ mm

NBN EN 4572:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated - Sheets and strips - $a \leq 3$ mm

NBN EN 4573:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated and precipitation treated - Bars and sections - $De \leq 100$ mm

NBN EN 4574:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated and precipitation treated - Forgings - $De \leq 100$ mm

NBN EN 4575:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated and descaled - Sheets and plates - $3 \text{ mm} < a \leq 50$ mm

NBN EN 4705:2020

Aerospace series - Measurement methods regarding the lifetime behaviour of light units in a standardized aircraft-related environment

NBN EN 4707:2020

Aerospace series - Acid pickling of aluminium and aluminium alloys without hexavalent chromium

vervangt NBN EN 4707:2014 (1e uitgave)

NBN EN 4855-01:2020

Aerospace series - ECO efficiency of catering equipment - Part 01: General conditions

NBN EN 4855-02:2020

Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

NBN EN 4855-03:2020

Aerospace series - ECO efficiency of catering equipment - Part 03: Chilling equipment

NBN EN 4855-04:2020

Aerospace series - ECO efficiency of catering equipment - Part 04: Beverage makers

NBN EN 50128:2011/A1:2020

Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems

NBN EN 50153:2014/A2:2020

Railway applications - Rolling stock - Protective provisions relating to electrical hazards

NBN EN 50159:2010/A1:2020

Railway applications - Communication, signalling and processing systems - Safety-related communication in transmission systems

NBN EN 50163:2004/A2:2020

Railway applications - Supply voltages of traction systems

NBN EN 50310:2016/A1:2020

Telecommunications bonding networks for buildings and other structures

NBN EN 50553:2012/A2:2020

Railway applications - Requirements for running capability in case of fire on board of rolling stock

NBN EN 50614:2020

Requirements for the preparing for re-use of waste electrical and electronic equipment

NBN EN 54-22:2015+A1:2020

Fire detection and fire alarm systems - Part 22: Resettable line-type heat detectors

vervangt NBN EN 54-22:2015 (1e uitgave)

NBN EN 60335-2-105:2005/A2:2020

Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

NBN EN 60335-2-78:2003/A11:2020

Household and similar electrical appliances - Safety - Part 2-78:
Particular requirements for outdoor barbecues

NBN EN 60335-2-82:2003/A2:2020

Household and similar electrical appliances - Safety - Part 2-82:
Particular requirements for amusement machines and personal service
machines

NBN EN 60669-1:2018/AC:2020-02

Switches for household and similar fixed electrical installations -
Part 1: General requirements

NBN EN 60947-2:2017/A1:2020

Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

NBN EN 61034-1:2005/A2:2020

Measurement of smoke density of cables burning under defined
conditions - Part 1: Test apparatus

NBN EN 61034-2:2005/A2:2020

Measurement of smoke density of cables burning under defined
conditions - Part 2: Test procedure and requirements

NBN EN 62026-3:2015/A11:2020

Low-voltage switchgear and controlgear - Controller-device inter-
faces (CDIs) - Part 3: DeviceNet

NBN EN 62488-2:2017/AC:2020-02

Power line communication systems for power utility applications -
Part 2: Analogue power line carrier terminals or APLC

NBN EN 676:2020

Forced draught burners for gaseous fuels
vervangt NBN EN 676+A2:2008 (2e uitgave)

NBN EN 81-20:2020

Veiligheidsregels voor de vervaardiging en de installatie van liften –
Liften voor het vervoer van personen en goederen – Deel 20:
Personenliften en personen-goederenliften
vervangt NBN EN 81-20:2014 (1e uitgave)

NBN EN 81-50:2020

Veiligheidsregels voor de vervaardiging en de installatie van liften –
Onderzoeken en beproevingen – Deel 50: Ontwerpregels, berekenin-
gen, onderzoeken en beproevingen van liftonderdelen
vervangt NBN EN 81-50:2014 (1e uitgave)

NBN EN IEC 60079-0:2018/AC:2020-02

Explosive atmospheres - Part 0: Equipment - General requirements

NBN EN IEC 60335-2-71:2020

Household and similar electrical appliances - Safety - Part 2-71:
Particular requirements for electrical heating appliances for breeding
and rearing animals

NBN EN IEC 60335-2-87:2020

Household and similar electrical appliances - Safety - Part 2-87:
Particular requirements for electrical animal-stunning equipment

NBN EN IEC 60730-2-22:2020

Automatic electrical controls - Part 2-22: Particular requirements for
thermal motor protectors

NBN EN IEC 61123:2020

Reliability testing - Compliance test plans for success ratio

NBN EN IEC 62041:2020

Transformers, power supplies, reactors and similar products - EMC
requirements

NBN EN IEC 62115:2020

Electric toys - Safety

NBN EN IEC 62115:2020/A11:2020

Electric toys - Safety

NBN EN IEC 62311:2020

Assessment of electronic and electrical equipment related to human
exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

NBN EN IEC 63078:2020

Installations for electroheating and electromagnetic processing - Test
methods for induction through-heating installations

NBN EN IEC 63137-1:2019/AC:2020-02

Standard test radio-frequency connectors - Part 1: Generic specifica-
tion - General requirements and test methods

NBN EN ISO 10113:2020

Metallic materials - Sheet and strip - Determination of plastic strain ratio (ISO 10113:2020)

vervangt NBN EN ISO 10113:2014 (1e uitgave)

NBN EN ISO 10240:2020

Small craft - Owner's manual (ISO 10240:2019)

vervangt NBN EN ISO 10240:2004 (1e uitgave), NBN EN ISO 10240/A1:2015 (1e uitgave)

NBN EN ISO 10581:2020

Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications (ISO 10581:2019)

vervangt NBN EN ISO 10581:2013 (1e uitgave)

NBN EN ISO 11074:2015/A1:2020

Soil quality - Vocabulary - Amendment 1 (ISO 11074:2015/Amd 1:2020)

NBN EN ISO 11200:2014/A1:2020

Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions - Amendment 1 (ISO 11200:2014/Amd 1:2018)

NBN EN ISO 11607-1:2020

Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems (ISO 11607-1:2019)

vervangt NBN EN ISO 11607-1:2017

NBN EN ISO 11607-2:2020

Packaging for terminally sterilized medical devices - Part 2: Validation requirements for forming, sealing and assembly processes (ISO 11607-2:2019)

vervangt NBN EN ISO 11607-2:2017

NBN EN ISO 11665-3:2020

Measurement of radioactivity in the environment - Air: radon-222 - Part 3: Spot measurement method of the potential alpha energy concentration of its short-lived decay products (ISO 11665-3:2020)

vervangt NBN EN ISO 11665-3:2015 (1e uitgave)

NBN EN ISO 11665-5:2020

Measurement of radioactivity in the environment - Air: radon-222 - Part 5: Continuous measurement methods of the activity concentration (ISO 11665-5:2020)

vervangt NBN EN ISO 11665-5:2015 (1e uitgave)

NBN EN ISO 11665-6:2020

Measurement of radioactivity in the environment - Air: radon-222 - Part 6: Spot measurement methods of the activity concentration (ISO 11665-6:2020)

vervangt NBN EN ISO 11665-6:2015 (1e uitgave)

NBN EN ISO 11844-3:2020

Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity (ISO 11844-3:2020)

vervangt NBN EN ISO 11844-3:2008 (1e uitgave)

NBN EN ISO 12006-2:2020

Building construction - Organization of information about construction works - Part 2: Framework for classification (ISO 12006-2:2015)

NBN EN ISO 12922:2020

Lubricants, industrial oils and related products (class L) - Family H (Hydraulic systems) - Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU (ISO 12922:2020)

vervangt NBN EN ISO 12922:2013 (2e uitgave)

NBN EN ISO 12956:2020

Geotextiles and geotextile-related products - Determination of the characteristic opening size (ISO 12956:2019)

vervangt NBN EN ISO 12956:2010 (2e uitgave)

NBN EN ISO 13164-1:2020

Water quality - Radon-222 - Part 1: General principles (ISO 13164-1:2013, Correction version 2013-11-15)

NBN EN ISO 13164-2:2020

Water quality - Radon-222 - Part 2: Test method using gamma-ray spectrometry (ISO 13164-2:2013)

NBN EN ISO 13164-3:2020

Water quality - Radon-222 - Part 3: Test method using emanometry (ISO 13164-3:2013)

NBN EN ISO 13164-4:2020

Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting (ISO 13164-4:2015)

NBN EN ISO 13165-1:2020

Water quality - Radium-226 - Part 1: Test method using liquid scintillation counting (ISO 13165-1:2013)

NBN EN ISO 13165-2:2020

Water quality - Radium-226 - Part 2: Test method using emanometry (ISO 13165-2:2014)

NBN EN ISO 13165-3:2020

Water quality - Radium-226 - Part 3: Test method using coprecipitation and gamma-spectrometry (ISO 13165-3:2016)

NBN EN ISO 13758:1996/A1:2020

Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method - Amendment 1 (ISO 13758:1996/Amd 1:2020)

NBN EN ISO 14006:2020

Environmental management systems - Guidelines for incorporating ecodesign (ISO 14006:2020)

vervangt NBN EN ISO 14006:2011 (1e uitgave)

NBN EN ISO 14713-2:2020

Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 2: Hot dip galvanizing (ISO 14713-2:2019)

vervangt NBN EN ISO 14713-2:2010 (2e uitgave)

NBN EN ISO 15091:2020

Paints and varnishes - Determination of electrical conductivity and resistance (ISO 15091:2019)

vervangt NBN EN ISO 15091:2013 (1e uitgave)

NBN EN ISO 15184:2020

Paints and varnishes - Determination of film hardness by pencil test (ISO 15184:2020)

vervangt NBN EN ISO 15184:2012 (1e uitgave)

NBN EN ISO 15902:2020

Optics and photonics - Diffractive optics - Vocabulary (ISO 15902:2019)

vervangt NBN EN ISO 15902:2005 (1e uitgave)

NBN EN ISO 16106:2020

Transport packages for dangerous goods - Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings - Guidelines for the application of ISO 9001 (ISO 16106:2020)

vervangt NBN EN ISO 16106:2006 (1e uitgave)

NBN EN ISO 16297:2020

Milk - Bacterial count - Protocol for the evaluation of alternative methods (ISO 16297:2020)

vervangt NBN EN ISO 16297:2014 (1e uitgave)

NBN EN ISO 16610-61:2015/A1:2020

Geometrical product specification (GPS) - Filtration - Part 61: Linear areal filters - Gaussian filters - Amendment 1 (ISO 16610-61:2015/Amd 1:2019)

NBN EN ISO 16739-1:2020

Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries - Part 1: Data schema (ISO 16739-1:2018)

NBN EN ISO 17076-1:2020

Leather - Determination of abrasion resistance - Part 1: Taber® method (ISO 17076-1:2020)

vervangt NBN EN ISO 17076-1:2012 (1e uitgave)

NBN EN ISO 17268:2020

Gaseous hydrogen land vehicle refuelling connection devices (ISO 17268:2020)

vervangt NBN EN ISO 17268:2016

NBN EN ISO 17510:2020

Medical devices - Sleep apnoea breathing therapy - Masks and application accessories (ISO 17510:2015)

vervangt NBN EN ISO 17510-2:2009 (3e uitgave)

NBN EN ISO 18526-3:2020

Eye and face protection - Test methods - Part 3: Physical and mechanical properties (ISO 18526-3:2020)

NBN EN ISO 18557:2020

Characterisation principles for soils, buildings and infrastructures contaminated by radionuclides for remediation purposes (ISO 18557:2017)

NBN EN ISO 18562-1:2020

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 1: Evaluation and testing within a risk management process (ISO 18562-1:2017)

NBN EN ISO 18562-2:2020

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 2: Tests for emissions of particulate matter (ISO 18562-2:2017)

NBN EN ISO 18562-3:2020

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 3: Tests for emissions of volatile organic compounds (VOCs) (ISO 18562-3:2017)

NBN EN ISO 18562-4:2020

Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 4: Tests for leachables in condensate (ISO 18562-4:2017)

NBN EN ISO 19226:2020

Nuclear energy - Determination of neutron fluence and displacement per atom (dpa) in reactor vessel and internals (ISO 19226:2017)

NBN EN ISO 19361:2020

Measurement of radioactivity - Determination of beta emitters activities - Test method using liquid scintillation counting (ISO 19361:2017)

NBN EN ISO 19396-1:2020

Paints and varnishes - Determination of pH value - Part 1: pH electrodes with glass membrane (ISO 19396-1:2017)

NBN EN ISO 19396-2:2020

Paints and varnishes - Determination of pH value - Part 2: pH electrodes with ISFET technology (ISO 19396-2:2017)

NBN EN ISO 19403-1:2020

Paints and varnishes - Wettability - Part 1: Terminology and general principles (ISO 19403-1:2017)

NBN EN ISO 19403-2:2020

Paints and varnishes - Wettability - Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO 19403-2:2017)

NBN EN ISO 19403-3:2020

Paints and varnishes - Wettability - Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO 19403-3:2017)

NBN EN ISO 19403-4:2020

Paints and varnishes - Wettability - Part 4: Determination of the polar and dispersive fractions of the surface tension of liquids from an interfacial tension (ISO 19403-4:2017)

NBN EN ISO 19403-5:2020

Paints and varnishes - Wettability - Part 5: Determination of the polar and dispersive fractions of the surface tension of liquids from contact angles measurements on a solid with only a disperse contribution to its surface energy (ISO 19403-5:2017)

NBN EN ISO 19403-6:2020

Paints and varnishes - Wettability - Part 6: Measurement of dynamic contact angle (ISO 19403-6:2017)

NBN EN ISO 19403-7:2020

Paints and varnishes - Wettability - Part 7: Measurement of the contact angle on a tilt stage (roll-off angle) (ISO 19403-7:2017)

NBN EN ISO 19432-1:2020

Building construction machinery and equipment - Portable, hand-held, internal combustion engine-driven abrasive cutting machines - Part 1: Safety requirements for cut-off machines for centre-mounted rotating abrasive wheels (ISO 19432-1:2020)

vervangt NBN EN ISO 19432:2012 (3e uitgave)

NBN EN ISO 19581:2020

Measurement of radioactivity - Gamma emitting radionuclides - Rapid screening method using scintillation detector gamma-ray spectrometry (ISO 19581:2017)

NBN EN ISO 20705:2020

Textiles - Quantitative microscopical analysis - General principles of testing (ISO 20705:2019)

NBN EN ISO 20932-2:2020

Textiles - Determination of the elasticity of fabrics - Part 2: Multiaxial tests (ISO 20932-2:2018)

vervangt NBN EN 14704-2:2007 (1e uitgave)

NBN EN ISO 20932-3:2020

Textiles - Determination of the elasticity of fabrics - Part 3: Narrow fabrics (ISO 20932-3:2018)

vervangt NBN EN 14704-3:2007 (1e uitgave)

NBN EN ISO 2106:2020

Anodizing of aluminium and its alloys - Determination of mass per unit area (surface density) of anodic oxidation coatings - Gravimetric method (ISO 2106:2019)

vervangt NBN EN ISO 2106:2011 (1e uitgave)

NBN EN ISO 21178:2020

Light conveyor belts - Determination of electrical resistances (ISO 21178:2020)

vervangt NBN EN ISO 21178:2013 (3e uitgave)

NBN EN ISO 21404:2020

Solid biofuels - Determination of ash melting behaviour (ISO 21404:2020)

NBN EN ISO 22109:2020

Industrial valves - Gearbox for valves (ISO 22109:2020)

NBN EN ISO 22313:2020

Security and resilience - Business continuity management systems - Guidance on the use of ISO 22301 (ISO 22313:2020)

vervangt NBN EN ISO 22313:2014 (1e uitgave)

NBN EN ISO 22510:2020

Open data communication in building automation, controls and building management - Home and building electronic systems - KNXnet/IP communication (ISO 22510:2019)

vervangt NBN EN 13321-2:2013 (2e uitgave)

NBN EN ISO 22908:2020

Water quality - Radium 226 and Radium 228 - Test method using liquid scintillation counting (ISO 22908:2020)

NBN EN ISO 23153-2:2020

Plastics - Polyetheretherketone (PEEK) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 23153-2:2020)

NBN EN ISO 24157:2008/A1:2020

Ophthalmic optics and instruments - Reporting aberrations of the human eye - Amendment 1 (ISO 24157:2008/Amd 1:2020)

NBN EN ISO 24444:2020

Cosmetics - Sun protection test methods - In vivo determination of the sun protection factor (SPF) (ISO 24444:2019)

vervangt NBN EN ISO 24444:2010 (1e uitgave)

NBN EN ISO 3071:2020

Textiles - Determination of pH of aqueous extract (ISO 3071:2020)

vervangt NBN EN ISO 3071:2006 (2e uitgave)

NBN EN ISO 3668:2020

Paints and varnishes - Visual comparison of colour of paints (ISO 3668:2017)

vervangt NBN EN ISO 3668:2001 (1e uitgave)

NBN EN ISO 4254-11:2010/A1:2020

Agricultural machinery - Safety - Part 11: Pick-up balers - Amendment 1 (ISO 4254-11:2010/Amd 1:2020)

NBN EN ISO 4259-3:2020

Petroleum and related products - Precision of measurement methods and results - Part 3: Monitoring and verification of published precision data in relation to methods of test (ISO 4259-3:2020)

NBN EN ISO 439:2020

Steel and cast irons - Determination of silicon content - Gravimetric method (ISO 439:2020)

vervangt NBN EN ISO 439:2010 (1e uitgave)

NBN EN ISO 536:2020

Paper and board - Determination of grammage (ISO 536:2019)

vervangt NBN EN ISO 536:2012 (2e uitgave)

NBN EN ISO 6141:2015/A1:2020

Gas analysis - Contents of certificates for calibration gas mixtures - Amendment 1: Cross reference list to ISO Guide 31:2015 and ISO/IEC 17025:2017 (ISO 6141:2015/Amd 1:2020)

NBN EN ISO 6414:2020

Technical product documentation (TPD) - Technical drawings for glassware (ISO 6414:2020)

vervangt NBN EN ISO 6414:1995 (1e uitgave)

NBN EN ISO 643:2020

Steels - Micrographic determination of the apparent grain size (ISO 643:2019)

vervangt NBN EN ISO 643:2013 (2e uitgave)

NBN EN ISO 8044:2020

Corrosion of metals and alloys - Vocabulary (ISO 8044:2020)

vervangt NBN EN ISO 8044:2015 (2e uitgave)

NBN EN ISO 80601-2-74:2020

Medical electrical equipment - Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO 80601-2-74:2017)

vervangt NBN EN ISO 8185:2009 (3e uitgave)

NBN EN ISO 8289-1:2020

Vitreous and porcelain enamels - Low-voltage test for detecting and locating defects - Part 1: Swab test for non-profiled surfaces (ISO 8289-1:2020)

vervangt NBN EN ISO 8289:2002 (1e uitgave)

NBN EN ISO 8536-4:2020

Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed (ISO 8536-4:2019)

vervangt NBN EN ISO 8536-4:2013 (4e uitgave), NBN EN ISO 8536-4/A1:2013 (4e uitgave)

NBN EN ISO 8596:2018/A1:2020

Ophthalmic optics - Visual acuity testing - Standard and clinical optotypes and their presentation - Amendment 1 (ISO 8596:2017/Amd1:2019)

NBN EN ISO 9997:2020

Dentistry - Cartridge syringes (ISO 9997:2020)

vervangt NBN EN ISO 9997:2000 (2e uitgave)

NBN EN ISO/IEC 27000:2020

Information technology - Security techniques - Information security management systems - Overview and vocabulary (ISO/IEC 27000:2018)

vervangt NBN EN ISO/IEC 27000:2017

NBN ISO 10015:2020

Quality management — Guidelines for competence management and people development (ISO 10015:2019)

vervangt NBN ISO 10015:2014 (1e uitgave)

NBN ISO 14033:2020

Environmental management — Quantitative environmental information — Guidelines and examples

vervangt NBN ISO/TS 14033:2014 (1e uitgave)

NBN ISO 16128-1:2020

Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients and products — Part 1: Definitions for ingredients

NBN ISO 16128-2:2020

Cosmetics — Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients — Part 2: Criteria for ingredients and products

NBN ISO 18091:2020

Quality management systems — Guidelines for the application of ISO 9001 in local government

NBN ISO 18400-206:2020

Soil quality — Sampling — Part 206: Collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory

NBN ISO 20951:2020

Soil Quality — Guidance on methods for measuring greenhouse gases (CO₂, N₂O, CH₄) and ammonia (NH₃) fluxes between soils and the atmosphere

NBN ISO 22319:2020

Security and resilience — Community resilience — Guidelines for planning the involvement of spontaneous volunteers

NBN ISO 22715:2020

Cosmetics — Packaging and labelling

NBN ISO 28001:2020

Security management systems for the supply chain — Best practices for implementing supply chain security, assessments and plans — Requirements and guidance

NBN ISO 28002:2020

Security management systems for the supply chain — Development of resilience in the supply chain — Requirements with guidance for use

NBN ISO 28003:2020

Security management systems for the supply chain — Requirements for bodies providing audit and certification of supply chain security management systems

NBN ISO 28004-1:2020

Security management systems for the supply chain — Guidelines for the implementation of ISO 28000 — Part 1: General principles

NBN ISO 34101-2:2020

Sustainable and traceable cocoa — Part 2: Requirements for performance (related to economic, social and environmental aspects)

NBN ISO 35001:2020

Biorisk management for laboratories and other related organisations

NBN ISO 50004:2020

Energy management systems - Guidance for the implementation, maintenance and improvement of an energy management system

NBN NF Z42-026:2020

Definitie en specificaties voor getrouwe digitalisering van papieren documenten en controle van deze dienstverlening

NBN/DTD B 21-101:2020

Toegangs- en verbindingssputten van ongewapend beton, van staalvezelbeton en van gewapend beton – Nationale aanvulling bij NBN EN 1917:2002

2. De normen afgeleid van de Europese normen (EN) zijn in principe beschikbaar in het Engels, het Frans en het Duits; de normen afgeleid van de internationale normen (ISO) zijn in principe beschikbaar in het Engels en in het Frans.

3. Deze normen zijn verkrijgbaar bij het Bureau voor normalisatie, Jozef II-straat 40 bus 6, 1000 Brussel, tegen betaling van hun prijs.

4. De registratie van de volgende Belgische normen wordt ingetrokken:

NBN EN 10330:2015 (2e uitgave)
 NBN EN 13726-6:2003 (1e uitgave)
 NBN EN 15004-3:2008 (1e uitgave)
 NBN EN 1919:2000 (1e uitgave)
 NBN EN 1920:2000 (1e uitgave)
 NBN EN 50124-1:2001 (1e uitgave)
 NBN EN 50124-1/A1:2004 (1e uitgave)
 NBN EN 50124-1/A2:2006 (1e uitgave)
 NBN EN 50124-2:2001 (1e uitgave)
 NBN EN 50402:2006 (1e uitgave)
 NBN EN 50402/A1:2009 (1e uitgave)
 NBN EN 55025:2009 (2e uitgave)
 NBN EN 60444-8:2003 (1e uitgave)
 NBN EN 60623:2002 (2e uitgave)
 NBN EN 60679-6:2011 (1e uitgave)
 NBN EN 60704-3:2006 (2e uitgave)
 NBN EN 60794-1-20:2014 (1e uitgave)
 NBN EN 60855:1996 (1e uitgave)
 NBN EN 60874-17:1998 (1e uitgave)
 NBN EN 61000-4-10:1995 (1e uitgave)
 NBN EN 61000-4-10/A1:2001 (1e uitgave)
 NBN EN 61010-2-101:2003 (1e uitgave)
 NBN EN 61215:2005 (2e uitgave)
 NBN EN 61223-2-6:2007 (2e uitgave)
 NBN EN 61300-2-4:1997 (1e uitgave)
 NBN EN 61400-25-6:2011 (1e uitgave)
 NBN EN 61970-301:2014 (4e uitgave)
 NBN EN 62264-3:2007 (1e uitgave)

NBN EN 62453-1:2010 (1e uitgave)
NBN EN 62453-2:2010 (1e uitgave)
NBN EN ISO 6326-1:2009 (1e uitgave)
NBN EN ISO 6326-3:1998 (1e uitgave)
NBN EN ISO 6326-5:1998 (1e uitgave)

5. Erratum

In het *Belgisch Staatsblad* van 27 januari 2020, op pagina 3875, dient de vermelding over de vervanging van de norm NBN EN ISO 24500:2010, 1e uitgave door NBN EN ISO 245550:2019 et NBN EN ISO 24551:2019, te worden geschrapt. De norm NBN EN ISO 24500:2010, 1e uitgave blijft geldig.