

Internationale standarder for bevaring af kulturarv

Gennem de senere år er der publiceret en del internationale standarder, der giver anvisninger på den bedst mulige indsats for bevaringen af kulturarvs-genstande på arkiver, biblioteker og museer. En del af standarderne giver også anvisninger på korrekt udførelse af materialeanalyser og måling af klimaparametre, der er afgørende for den gode bevaring. De fleste standarder adresserer direkte den præventive bevaringsindsats og derved retningsgivende for den rådgivning, som konservatorer leverer.

De internationale standarder fra CEN (Comité européen de normalisation - European Committee for Standardization) benævnes generelt EN (Europæisk Norm), og fra ISO (International Organization for Standardization) benævnes de ISO. De er dækkende i Danmark, da standarderne i flere tilfælde er vedtaget med bidrag fra danske specialister, og fordi Dansk Standard er medlem af begge standardiseringsorganisationer. Når disse standarder er gældende i Danmark, betegnes da henh. DS/EN og DS/ISO og et efterfølgende nummer og evt. årstal.

Om brug af standarder

Der findes forskellige typer af standarder afhængigt af deres hensigt. En standard kan f.eks. give en anvisning på hvilke principper og krav til et produkt eller en ydelse, der skal opfyldes for at sikre et ensartet og kvalitativt godt produkt/ydelse. Standarden angiver således rammerne for opgavens løsning, og det er så op til leverandøren, hvordan man ønsker at løse eller udforme den. Standarden kan således være af mere rammesættende og beskrivende karakter.

Omvendt kan den også være formuleret som meget konkrete anvisninger er på, hvordan en særlig proces bør udføres for at sikre høj grad af sammenlignelighed og troværdighed – det gælder typisk standarder for tekniske målinger og analyser.

Der findes tillige forskellige niveauer af CEN-standarderne. En EN standard (DS/EN) er det øverste niveau i hierarkiet. En CEN TS er en *Technical Specification* og befinder sig på niveauet under en EN. I tillæg hertil kan der også være CEN TR (*Technical Reports*). En TS kan på et senere tidspunkt viderebearbejdes til en EN standard og således medvirke til yderligere harmonisering af principper, termer eller metoder på området.

I Danmark er disse standarder ikke obligatoriske på kulturbevaringsområdet, men de er retningsgivende, og de bør lægges til grund for udbud af museums-/arkivbyggeri, ombygninger, udstillingsproduktion, konserveringsydelse og bevaringstiltag generelt. Om anvendelsen af standarder i forbindelse med udbud af ydelser, der er omfattet af udbudsloven henvises til *Udbudsloven – Vejledning om udbudsreglerne, 2016* se

<https://www.kfst.dk/media/ua3fml2r/udbudsloven-vejledning-om-udbudsreglerne.pdf> tilgået 3/4 2021.

Standarderne er udarbejdet efter forhandling og i enighed mellem en række europæiske interessenter, og det må derfor forventes, at anvisningerne her repræsenterer best practice.

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Når man køber standarderne hos Dansk Standard eller ved ISO gælder købet kun en person eller organisation – man køber en licens til at bruge standarden så at sige, hvilket betyder at den ikke må deles, distribueres eller kopieres.

CEN/TC 346 publicerede standarder (indtil primo 2021)

NOTE: Bemærk at alle tekster er på engelsk. Samtlige DS/EN standarder (europæiske standarder) og DS/CEN/TR (tekniske rapporter) fra den europæiske tekniske komité CEN/TC 346 *Conservation of Cultural Heritage* kan findes og købes på Dansk Standards hjemmeside www.ds.dk

Liste over implementerede standarder (efter emneområde)

Emneområde:	Implementeret europæisk standard:	Engelsk titel:
Konserveringscentre:	DS/EN 16141	Conservation of cultural heritage – Guidelines for management of environmental conditions – Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage
Magasiner:	DS/EN 16893	Specifications for location, construction and modification of buildings or rooms intended for the storage or use of heritage collections
Bestilling af konserveringsydelser:	DS/EN 17429	Conservation of cultural heritage – Procurement of conservation services and works
Konserveringsprocesser:	DS/EN 16853	Conservation of cultural heritage – Conservation process – Decision making, planning and implementation
Terminologi og definitioner (1/2):	DS/EN 15898	Conservation of cultural property – Main general terms and definitions
Terminologi og definitioner (2/2):	DS/CEN/TS 17135	Conservation of cultural heritage – General terms for describing the alterations of objects
Temperatur og fugt (1/3):	DS/EN 15757	Conservation of Cultural Property – Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials.

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Emneområde:	Implementeret europæisk standard:	Engelsk titel:
Temperatur og fugt (2/3):	DS/EN 15758	Conservation of Cultural Property – Procedures and instruments for measuring temperatures of the air and the surfaces of objects.
Temperatur og fugt (3/3):	DS/EN 16242	Conservation of cultural heritage – Procedures and instruments for measuring humidity in the air and moisture
Vand – absorption & permeabilitet (1/4):	DS/EN 15801 java-script:view('M228468','60.61','1','')	Conservation of cultural property – Test methods – Determination of water absorption by capillarity
Vand – absorption & per-meabilitet (2/4):	DS/EN 15802	Conservation of cultural property – Test methods – Determination of static contact angle
Vand – absorption & per-meabilitet (3/4):	DS/EN 15803	Conservation of cultural property – Test methods – Determination of water vapour permeability (î p)
Vand – absorption & per-meabilitet (4/4):	DS/EN 16302	Conservation of cultural heritage – Test methods – Measurement of water absorption by pipe method
Vanddrukkent træ:	DS/EN 16873	Conservation of cultural heritage – Guidelines for the management of waterlogged wood on archaeological terrestrial sites
Udtørring:	DS/EN 16322	Conservation of Cultural Heritage – Test methods – Determination of drying properties
Salte:	DS/EN 16455	Conservation of cultural heritage – Extraction and determination of soluble salts in natural stone and related materials used in and from cultural heritage.
Afrensning – uorganiske materialer:	DS/EN 17138	Conservation of Cultural Heritage – Methods and materials for cleaning porous inorganic materials
Laserafrensning:	DS/EN 16782	Conservation of cultural heritage – Cleaning of porous inorganic materials – Laser cleaning techniques for cultural heritage

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Emneområde:	Implementeret europæisk standard:	Engelsk titel:
Imprægnering af overflader (1/2):	DS/EN 16581	Conservation of Cultural Heritage – Surface protection for porous inorganic materials – Laboratory test methods for the evaluation of the performance of water repellent products
Imprægnering af overflader (2/2):	DS/EN 17114	Conservation of cultural heritage – Surface protection for porous inorganic materials – Technical and chemical data sheets of water repellent product
Fugtmåling i bygninger:	DS/EN 16682	Conservation of cultural heritage – Methods of measurement of moisture content, or water content, in materials constituting immovable cultural heritage
Ventilation i historiske bygninger:	DS/EN 15759-2	Conservation of cultural heritage – Indoor climate – Part 2: Ventilation management for the protection of cultural heritage buildings and collections
Natursten:	DS/EN 16515	Conservation of Cultural Heritage – Guidelines to characterize natural stone used in cultural heritage
Mørtler (1/2):	DS/EN 16572	Conservation of cultural heritage – Glossary of technical terms concerning mortars for masonry, renders and plasters used in cultural heritage
Mørtler (2/2):	DS/EN 17187	Conservation of cultural heritage – Characterization of mortars used in cultural heritage
Farvemåling – overflader	DS/EN 15886	Conservation of cultural property – Test methods – Colour measurement of surfaces
Prøveudtagning:	DS/EN 16085	Conservation of Cultural property – Methodology for sampling from materials of cultural property – General rules
Tilstandsrapportering (1/2):	DS/EN 16096	Conservation of cultural property – Condition survey and report of built cultural heritage

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Emneområde:	Implementeret europæisk standard:	Engelsk titel:
Tilstandsrapportering (2/2):	DS/EN 16095	Conservation of cultural property – Condition recording for movable cultural heritage
Lys og lyspåvirkning (1/2):	DS/CEN TS 16163	Conservation of Cultural Heritage – Guidelines and procedures for choosing appropriate lighting for indoor exhibitions
Lys og lyspåvirkning (2/2):	DS/EN 17036	Conservation of Cultural Heritage – Artificial ageing by simulated solar radiation of the surface of untreated or treated porous inorganic materials
Opvarmning – kirker:	DS/EN 15759-1	Conservation of cultural property – Indoor climate – Part 1: Guidelines for heating churches, chapels and other places of worship
Energiforbedringer i historiske bygninger:	DS/EN 16883	Conservation of cultural heritage – Guidelines for improving the energy performance of historic buildings
Historiske tømmerkonstruktioner:	DS/EN 17121	Conservation of cultural heritage – Historic timber structures – Guidelines for the on-site assessment of load-bearing timber structures
Transport og pakning (1/2):	DS/EN 15946	Conservation of cultural property – Packing principles for transport.
Transport og pakning (2/2):	DS/EN 16648	Conservation of cultural heritage – Transport methods
Udstillingsmontre:	DS/EN 15999-1	Conservation of cultural heritage – Guidelines for design of showcases for exhibition and preservation of objects – Part 1: General requirements
Skadedyr:	DS/EN 16790	Conservation of cultural heritage – Integrated pest management (IPM) for protection of cultural heritage

Herunder findes samme liste opstillet efter nummer og med tilhørende "scope", der mere udførligt angiver hvad standarden handler om.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 15757	Conservation of Cultural Property – Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials	This European Standard is a guide specifying temperature and relative humidity levels to limit climate-induced physical damage of hygroscopic, organic materials, kept in long-term storage or exhibition (more than one per year) in indoor environments of museums, galleries, storage areas, archives, libraries, churches and modern or historical buildings.
DS/EN 15758	Conservation of Cultural Property – Procedures and instruments for measuring temperatures of the air and the surfaces of objects	This European Standard recommends the procedures for measuring the temperature of the air and of the surfaces of cultural property in indoor and outdoor environments, as well as specifying the minimum characteristics of instruments for such measurements. This document contains recommendations for accurate measurements to ensure the safety of objects and it is addressed to any people with the responsibility of the environment, its diagnosis, the conservation or maintenance of buildings, collections, or single object.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 15759-1	Conservation of cultural property – Indoor climate – Part 1: Guidelines for heating churches, chapels and other places of worship	This European Standard provides guidelines for the selection of heating strategies and heating systems in churches, chapels and other places of worship such as mosques and synagogues, in order to prevent damage to cultural property while at the same time creating an indoor climate that allows for a sustainable use of these buildings. It applies to most kinds of places of worship regardless of size and construction. This European Standard applies not only to the introduction of new heating systems but also to the replacement of old ones. This European Standard applies to buildings that are part of cultural heritage or that house cultural heritage objects. This European Standard deals with indoor climate conditions, heating strategies and technical solutions for their implementation but not with the technical equipment itself.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 15759-2	Conservation of cultural heritage – Indoor climate – Part 2: Ventilation management for the protection of cultural heritage buildings and collections	This European Standard gives guidelines for ventilation management in order to improve the preservation conditions of cultural heritage buildings and their collections. At the same time, it is aimed to create an indoor environment for a sustainable use of these buildings and their collections. This standard is a complement to existing general standards for ventilation that are focused on human comfort. This European Standard is the second part of a standard on indoor climate in cultural heritage buildings, i.e. EN 15759 1:2011. It should be used together with the first part when considering selection of heating strategies and heating systems for cultural heritage buildings, or buildings housing collections. It may be also used when considering other issues, e.g. assessment of buildings, interiors and contents, or improvements for the energy performance. This European Standard deals with indoor climate conditions, ventilation strategies and generic technical solutions for their implementation but not with the technical equipment itself.
DS/EN 15801 <a href="http://www.danishstandards.com/standards/15801">java-script:view('M228468','60.61','1',")	Conservation of cultural property – Test methods – Determination of water absorption by capillarity	This European Standard specifies a method for determining the water absorption by capillarity of porous inorganic materials used for and constituting cultural property. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 15802	Conservation of cultural property – Test methods – Determination of static contact angle	This European Standard specifies a method for the measurement of the static contact angle of a water drop on porous inorganic materials used for and constituting cultural property. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing.
DS/EN 15803	Conservation of cultural property – Test methods – Determination of water vapour permeability ($\hat{I}'p$)	This European Standard specifies a method for determining the water vapour permeability (WVP) of porous inorganic materials used for and constituting cultural property. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing.
DS/EN 15886	Conservation of cultural property – Test methods – Colour measurement of surfaces	This European Standard describes a test method to measure the surface colour of porous inorganic materials, and their possible chromatic changes. No reference to the appearance of glossy surfaces is described. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing. The method is suitable for the measurement of colour coordinates of:- representative surfaces of specimens, see 3.11;- representative surfaces of objects, indoors or outdoors.
DS/EN 15898	Conservation of cultural property – Main general terms and definitions	This European Standard defines the main general terms used in the field of conservation of cultural property with particular attention to those terms which have wide use or significance.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 15946	Conservation of cultural property – Packing principles for transport	This European Standard specifies the packing process for objects considered by the owner/custodian as ready to be moved.
DS/EN 15999-1	Conservation of cultural heritage – Guidelines for design of showcases for exhibition and preservation of objects – Part 1: General requirements	This European Standard specifies the characteristics and the conditions for use of showcases for safe and secure display of cultural heritage objects, reducing environmental interaction and complying with the requirements for better preservation.
DS/EN 16085	Conservation of Cultural property – Methodology for sampling from materials of cultural property – General rules	This European Standard provides a methodology and criteria for sampling cultural property materials for their scientific investigation. It covers, for example, how to characterize the material(s), assess the condition, determine the deterioration causes and/or mechanism(s) and decide on and/or evaluate the conservation treatment(s). Apart from sampling, this document also provides requirements for documentation, and handling of sample(s). This European Standard does not deal with the decision making process for taking a sample nor how the sample is to be used.
DS/EN 16095	Conservation of cultural property – Condition recording for movable cultural heritage	This European Standard sets out the purpose and context of condition recording for movable cultural heritage and provides a framework for a condition report. It specifies the status of a condition report and its essential contents. This European Standard applies to all kinds of movable cultural heritage, whether individual objects or whole collections. It can also be used for immovable features in buildings or monuments.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16096	Conservation of cultural property – Condition survey and report of built cultural heritage	<p>This European Standard provides guidelines for a condition survey of built cultural heritage. It states how the condition of the built cultural heritage should be assessed, documented, recorded and reported on. It encompasses evaluation of the condition of a building or other structure mainly by visual observation, together – when necessary – with simple measurements. The relevant data and documentation on the built cultural heritage should be collected and included in the report. This European Standard can be applied to all built cultural heritage such as buildings, ruins, bridges and other standing structures. Built cultural heritage comprises both protected and non-protected significant buildings and structures. Archaeological sites and cultural landscapes are not dealt with in this standard. This European Standard does not specify how to carry out a diagnosis (3.7) of the built cultural heritage. For listed/protected immovable heritage, specific national rules for expert documentation and works may apply. This European Standard may be applied in order to:</p> <ul style="list-style-type: none"> a) identify maintenance measures and the need for further investigation and diagnostics of damage; b) define procurement needs and the requirement for detailed specification; c) provide a unified method to obtain comparative data, when carrying out a condition survey for a group of buildings or a region.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16141	Conservation of cultural heritage – Guidelines for management of environmental conditions – Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage	This European Standard defines the characteristics of specific areas dedicated to the preservation, storage, management of, and access to collections. It lists the considerations that should be taken into account to achieve optimum storage and accessibility.
DS/CEN TS 16163	Conservation of Cultural Heritage – Guidelines and procedures for choosing appropriate lighting for indoor exhibitions	This Technical Specification defines the procedures as well as the means to implement adequate lighting, with regard to the conservation policy. It takes visual, exhibition and conservation aspects into account and it also discusses the implications of the lighting design on the safeguarding of cultural property. This Technical Specification gives recommendations on values of minimum and maximum illumination levels. It aims to provide a tool for setting up a common European policy and a guide to help curators, conservators and project managers to assess the correct lighting that can assure the safeguarding of the exhibits. This Technical Specification covers lighting for heritage objects on exhibition in both public and private sites and does not consider lighting in other cultural heritage contexts such as open-air collections, etc.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16242	Conservation of cultural heritage – Procedures and instruments for measuring humidity in the air and moisture	This European Standard gives guidance and specifies procedures and instruments for the measurement of relative humidity (RH) in air, in outdoor or indoor environments. It indicates how RH can be directly measured or how it can be calculated from air temperature, wet-bulb temperature and dew-point temperature. This standard contains recommendations for accurate measurements of ambient conditions and moisture exchanges between air and cultural heritage objects. It is addressed to anyone in charge of environmental diagnosis, conservation or maintenance of buildings, collections or single objects.
DS/EN 16302	Conservation of cultural heritage – Test methods – Measurement of water absorption by pipe method	This European Standard specifies a method to measure water absorption of porous inorganic materials used for and constituting cultural property by pipe method. The method may be used on porous inorganic materials which are untreated or have been subjected to any treatment or ageing. The method may be used both in the laboratory and in situ due to its non destructive nature.
DS/EN 16322	Conservation of Cultural Heritage – Test methods – Determination of drying properties	This European Standard specifies a method for the determination of the drying behaviour of porous inorganic materials used for and constituting cultural property. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16455	Conservation of cultural heritage – Extraction and determination of soluble salts in natural stone and related materials used in and from cultural heritage	This European Standard provides a methodology for the qualitative and quantitative analysis of anions and cations obtained by dissolution of soluble salts present in either natural stone or other porous inorganic materials constituting cultural heritage and in materials and products used for their restoration. The methodology requires samples to have been taken from the cultural property. The main ions considered in this standard are: Cl ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , SO ₄ ²⁻ , Na ⁺ , K ⁺ , NH ₄ ⁺ , Ca ²⁺ , Mg ²⁺

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16515	Conservation of Cultural Heritage – Guidelines to characterize natural stone used in cultural heritage	<p>This European Standard specifies a methodology for the characterization of sound or deteriorated stones by using the most appropriate analytical techniques on samples taken from the object. This European Standard contains guidelines for the selection of methods to determine mineralogical, textural, physical, chemical and mechanical properties of natural stone used in cultural heritage monuments and objects. This information is used to define rock typology and to evaluate the stone's condition with respect to its conservation as well as for understanding of deterioration processes of natural stone. Where possible existing standards are referred to and guidance provided where different specimens are required and additional methods used. The methods described are generally destructive, however, non-destructive (NDT) methods are always preferable to methods with a minimum of destruction and those are always preferable to destructive methods. Methods used for stone analysis can vary depending upon the objectives of the work. All investigation and analysis need be proportional to the significance of the building or artefact being investigated, its condition and the likely level of intervention. This European Standard will be used to determine the kind, extent, and objectives of the examination to be made.</p>

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16572	Conservation of cultural heritage – Glossary of technical terms concerning mortars for masonry, renders and plasters used in cultural heritage	This European Standard describes the terminology for mortars used in the field of cultural heritage. NOTE – In addition to terms used in the three official CEN languages (English, French and German), this European Standard gives the equivalent terms in Dutch, Italian, Greek, Swedish and Spanish; these are published under the responsibility of the member body/National Committee for NEN, UNI, ELOT, SIS and AENOR and are given for information only. Only the terms and definitions given in the official languages can be considered as CEN terms and definitions.
DS/EN 16581	Conservation of Cultural Heritage – Surface protection for porous inorganic materials – Laboratory test methods for the evaluation of the performance of water repellent products	This European Standard specifies the methodology for laboratory evaluation of the performance of water repellent products on porous inorganic materials. It is based on the measurement of several parameters which assess the performance of the product using standard test methods before and after ageing. Acceptable performance within the laboratory does not constitute a blanket endorsement of application in every situation. The particular context of the heritage object, including such factors as material designation, condition, exposure, salt content and problems related to water ingress requires further investigation.
DS/EN 16648	Conservation of cultural heritage – Transport methods	This European Standard defines principles to be considered when transporting movable cultural heritage in accordance with EN 15946.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16682	Conservation of cultural heritage – Methods of measurement of moisture content, or water content, in materials constituting immovable cultural heritage	<p>This European Standard is aimed to inform and assist users in the choice and use of the most appropriate method to obtain reliable measurements of the moisture content, or water content, in wood and masonry (including brickwork, stonework, concrete, gypsum, mortars, etc.) in the specific case of the built cultural heritage. It provides a basic framework to take and interpret this kind of measurements on the above cultural heritage materials that have undergone weathering, pest attack, salt migration or other transformations over time. It specifies four absolute methods (i.e. gravimetric, Karl Fischer titration, azeotropic distillation and calcium carbide); explains their characteristics, pros and cons, and gives specifications for the transformation of readings into the same unit to make measurements taken with different methods comparable. It specifies the three principal relative methods (i.e. electrical resistance, capacitance, and relative humidity in equilibrium with the material), pointing out their characteristics and uncertainties when used in the field of cultural heritage. In addition, it provides an informative overview of ten other relative methods, their characteristics, pros and cons. It gives specifications for the calibration of the various methods. It also compares the above methods in relation to their accuracy, sampling requirement, sample size, laboratory or field use, and other problems encountered in the field of cultural heritage to prevent instrument misuse, reduce uncertainties and avoid reading misinterpretation.</p>

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16782	Conservation of cultural heritage – Cleaning of porous inorganic materials – Laser cleaning techniques for cultural heritage	This European standard applies to porous inorganic materials constituting cultural heritage. It provides the fundamental requirements of the laser parameters and guidelines for the choice of the laser operational parameters, in order to optimize the cleaning procedure.
DS/EN 16790	Conservation of cultural heritage – Integrated pest management (IPM) for protection of cultural heritage	This European Standard defines Integrated Pest Management (IPM) and describes a comprehensive methodology for managing pest problems for protection of cultural heritage. This European Standard applies to objects and buildings, housing collections, such as museums, archives, libraries, historic houses and buildings, places of worship, art dealers and auction rooms, art transport and storage companies. This European Standard does not apply to caves, gardens, and parks.
DS/EN 16853	Conservation of cultural heritage – Conservation process – Decision making, planning and implementation	This European Standard specifies the process of decision-making, planning and implementing the conservation of tangible cultural heritage. It applies to material expressions of tangible cultural heritage such as individual objects, collections, the built environment, historic sites, archaeological sites and cultural landscapes. NOTE – This European Standard does not cover how to identify cultural heritage nor who or what competences are required to undertake decisions or other parts of the process.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 16873	Conservation of cultural heritage – Guidelines for the management of waterlogged wood on archaeological terrestrial sites	This European standard provides guidelines for safeguarding waterlogged wood on terrestrial sites of archaeological or historical significance. It deals with the protection of archaeological and historical waterlogged wood, from the time of exposure during and after excavation, until it reaches the conservation laboratory. The standard cannot be applied to the management of controlled reburial, in situ preservation, long term post excavation storage or excavations under water. Composite artefacts, and other waterlogged materials are specifically excluded from this standard.
DS/EN 16883	Conservation of cultural heritage – Guidelines for improving the energy performance of historic buildings	This European Standard provides guidelines for sustainably improving the energy performance of historic buildings, e.g. historically, architecturally or culturally valuable buildings, while respecting their heritage significance. The use of this standard is not limited to buildings with statutory heritage designation, it applies to historic buildings of all types and ages. This European Standard presents a normative working procedure for selecting measures to improve energy performance, based on an investigation, analysis and documentation of the building including its heritage significance. The procedure assesses the impact of those measures in relation to preserving the character-defining elements of the building.

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<p>DS/EN 16893</p>	<p>Specifications for location, construction and modification of buildings or rooms intended for the storage or use of heritage collections</p>	<p>This European Standard gives specifications and guidance for the location, construction and arrangement of building specifically intended for internal storage of all heritage collection types and formats.</p> <p>This standard applies to buildings where collections are housed permanently and can be used as guidance for shorter-term display spaces where appropriate. Throughout the document, where specifications relate exclusively to storage spaces, these are defined as such. Where specifications can also be applied to areas such as display galleries or reading rooms, these applications are referred to explicitly.</p> <p>Clauses relating to risks associated with security, environmental hazards, fire, water and pests apply to buildings as a whole and to any room in which collections may be held.</p> <p>Some of the clauses in this standard may be applicable in protected historic buildings that contain collections. In these settings, the scope for any alterations or achievement of conditions suitable for collections may be limited by the historic character of the structure, especially where it is protected by heritage regulations.</p> <p>NOTE This standard covers the structure of buildings containing heritage collections, whether for storage or use. For a description of technical processing spaces recommended in the design specifically of a storage building open to the public, attention is drawn to EN 16141.</p>
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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
		This standard should be seen as complementary to national or local building regulations and specifications.
DS/EN 17036	Conservation of Cultural Heritage – Artificial ageing by simulated solar radiation of the surface of untreated or treated porous inorganic materials	This document assesses the long-term susceptibility to light of materials and treatments used in conservation of porous inorganic materials. Examples may include materials which have been treated in the course of conservation (e.g. cleaning, consolidation, water repellents, coatings or biocides) or materials which may exhibit colour changes following exposure (e.g. mortars and small number of stones). The procedure can be used to evaluate the impact and longevity/durability of treatments against untreated materials or unexposed materials. NOTE 1 – Porous inorganic materials are both natural stones (rocks) and artificial stone materials (mortars, stuccoes, bricks, ceramic materials, etc.). NOTE 2 – Treated materials are those on which one of the following treatments has been applied: cleaning, application of water repellent, consolidating materials, coatings or biocides and artificial ageing.
DS/EN 17114	Conservation of cultural heritage – Surface protection for porous inorganic materials – Technical and chemical data sheets of water repellent product	This document specifies the information contained in the technical data sheet of the product in order to allow a preliminary selection of the most suitable products to use in a specific case of intervention.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 17121	Conservation of cultural heritage – Historic timber structures – Guidelines for the on-site assessment of load-bearing timber structures	This document gives guidelines on the criteria to be used for the on-site assessment of load-bearing timber structures in heritage buildings. It is intended for all those concerned with the conservation of heritage buildings which contain wooden elements, from the building owners or authorities who are responsible for them to the professionals employed. It should also help decision-making regarding the need for immediate measures. Its aim is to guarantee that condition survey and assessment provide the necessary data for historical analysis, structural safety assessment and planning of intervention works. This document is applicable to any kind of timber member and to any kind of historic timber structures. It is not applicable to timber members made of engineered wood based panels and glued laminated timber. This document provides a comprehensive procedure for the on-site assessment. With a practical and technical evaluation of the damage found and based on the responsibility of the involved professionals, a sufficient assessment can also be made when not all the steps are followed. In each different country, the document is expected to be applied in accordance with National legislation and regulations.
DS/CEN/TS 17135	Conservation of cultural heritage – General terms for describing the alterations of objects	This document defines terms used in the field of conservation of cultural heritage for the description of alteration of objects with particular attention to those terms which are applied to many types of objects. This document applies to all types of material changes that can be observed.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 17138	Conservation of Cultural Heritage – Methods and materials for cleaning porous inorganic materials	This document provides the guidelines for the choice of the operational cleaning technical specifications in order to optimize the cleaning operation. The fundamental requirements for each specific cleaning method are given as to adapt cleaning works for single specific cases. The objective of cleaning may consist of removal of any combination of unwanted materials, such as: degraded protective coatings, surface or near-surface materials, which constitute a present or future threat to conservation, materials which prevent legibility of the object or are disfiguring by nature, deposits which are judged to be incompatible to the historical nature of the object
DS/EN 17187	Conservation of cultural heritage – Characterization of mortars used in cultural heritage	This European Standard specifies a methodology for the characterization of mortars by using the most appropriate analytical techniques on samples taken from cultural heritage structures and objects. This standard contains guidelines for the selection of methods to determine mineralogical, textural, physical, chemical and mechanical properties of mortars used in cultural heritage structures and objects. This information is used to define mortar typology and to evaluate the mortar condition with respect to its conservation as well as for understanding of the ongoing deterioration processes.

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Implementeret europæisk standard (DS/EN):	Engelsk titel:	Engelsk scope:
DS/EN 17429	Conservation of cultural heritage – Procurement of conservation services and works	This document outlines the principles, processes and best practice for procuring conservation services and works for cultural heritage. This can embrace any conservation action or measure, whether it be a preventive measure, a remedial treatment, investigation, planning, policy, or project management, etc. This document encompasses different routes to procurement depending among other things, on the scale of the work envisaged. This document is intended to be read alongside relevant regulations covering procurement and is technically specific to the conservation of cultural heritage. This document is not intended to override or conflict with European and national legislation covering procurement. This document is intended to be used – by commissioners of conservation work (e.g. custodians, public or private individuals, collecting institutions, conservation specialists, conservation funding organisations, etc.), and – by those individuals and enterprises seeking to carry out conservation work.

Udvalgte ISO-standarder der vedrører kulturarvsområdet (indtil ultimo 2020):

Der findes mange ISO-standarder, og her er kun vist et udpluk, der skønnes at have relevans for museer - enten ved at omhandle krav til ideelle opbevaringsforhold eller kravsspecifikationer for opbevaringsmaterialer/forhold. Blandt de oftest citerede er f.eks. ISO 9706:1994 om arkivholdbart papir eller ISO 11799:2015 om krav til arkiv- og biblioteksmagasiner.

Nogle områder er bedre dækket end andre – fælles for dem er dog, at der er tale om industrielle produkter, hvor holdbarhed har været i fokus. Udgangspunktet har ikke i samme grad som med CEN-standarderne været kulturarven.

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Standarderne findes ved søgning på ISO's website: <https://www.iso.org/home.html> hvorfra de kan købes.

ISO 9706:1994 Information and documentation — Paper for documents — Requirements for permanence

ISO 10356:1996 Cinematography — Storage and handling of nitrate-base motion-picture films

ISO 11108:1996 Information and documentation — Archival paper — Requirements for permanence and durability

ISO 11798:1999 Information and documentation — Permanence and durability of writing, printing and copying on paper — Requirements and test methods

ISO 11799:2015 Information and documentation — Document storage requirements for archive and library materials

ISO 16245:2009 Information and documentation — Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents

ISO 18902:2013 Imaging materials — Processed imaging materials — Albums, framing and storage materials

ISO 18911:2010 Imaging materials — Processed safety photographic films — Storage practices

ISO 18913:2012 Imaging materials — Permanence — Vocabulary

ISO 18916:2007 Imaging materials — Processed imaging materials — Photographic activity test for enclosure materials

ISO 18918:2000 Imaging materials — Processed photographic plates — Storage practices

ISO 18920:2011 Imaging materials — Reflection prints — Storage practices

ISO 18923:2000 Imaging materials — Polyester-base magnetic tape — Storage practices

ISO 18925:2013 Imaging materials — Optical disc media — Storage practices

ISO 18929:2012 Imaging materials — Wet-processed silver-gelatin type black-and-white photographic reflection prints — Specifications for dark storage

ISO/TR 18931:2001 Imaging materials - Recommendations for humidity measurement and control

ISO 18932:2009 Imaging materials — Adhesive mounting systems — Specifications

ISO 18933:2012 Imaging materials — Magnetic tape — Care and handling practices for extended usage

ISO 18934:2011 Imaging materials — Multiple media archives — Storage environment

ISO 18937:2020 Imaging materials — Photographic reflection prints — Methods for measuring indoor light stability

ISO 18938:2014 Imaging materials — Optical discs — Care and handling for extended storage

ISO 18943:2014 Imaging materials — Magnetic hard drives used for image storage — Care and handling

ISO/CD TS 18950 Imaging materials — Reflection colour photographic images — Indoor light stability specifications for museum display