



Svanemærket og EU-Blomsten

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Program

- Svanemærket og EU Ecolabel
- Bæredygtigt indkøb
- Byggeri, reovering og bygningsdrift
 - EU's taksonomi krav/ESG

Hvem?

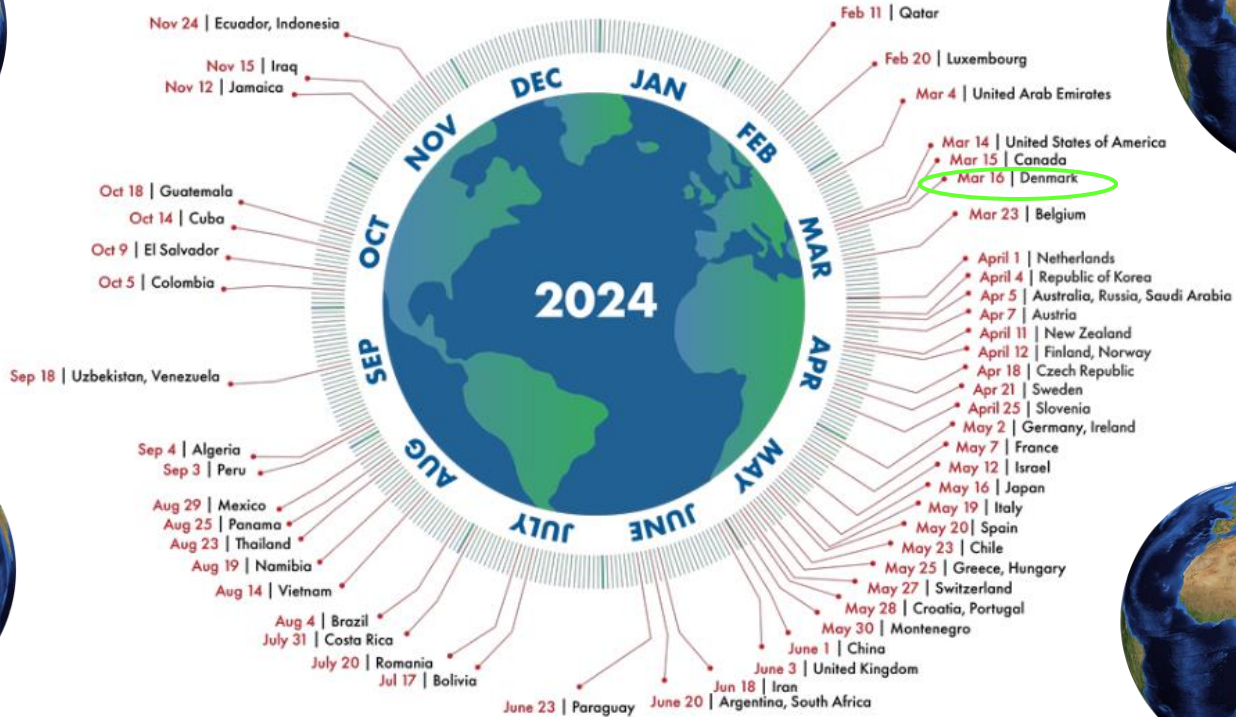
Miljømærkning
Danmark




FORUM FOR
BÆREDYGTIGE INDKØB

Country Overshoot Days 2024

When would Earth Overshoot Day land if the world's population lived like...



For a full list of countries, visit overshootday.org/country-overshoot-days.



Source: National Footprint and Biocapacity Accounts, 2023 Edition
data.footprintnetwork.org









Global Footprint Network
 Advancing the Science of Sustainability



Der er mange mærker



Type 1 miljømærker (ISO 14024)

18	Green Label Certification (ISO 14024 Type I Eco-labels)	Ecolabelling Program in Ukraine		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	All Ukrainian NGO Living Planet	Ukraine
19	Green Label Certification (ISO 14024 Type I Eco-labels)	EU Ecolabel		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	European Commission	European Union
20	Green Label Certification (ISO 14024 Type I Eco-labels)	The Blue Angel Eco-Label		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	German Federal Environment Agency	Germany
21	Green Label Certification (ISO 14024 Type I Eco-labels)	Green Product Mark		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	TUV Rheinland	Germany (TUV)
22	Green Label Certification (ISO 14024 Type I Eco-labels)	Good Environmental Choice		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	The Swedish Society for Nature Conservation	Sweden (SSNC)
23	Green Label Certification (ISO 14024 Type I Eco-labels)	TCO Certified		ISO 14024 Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	TCO Development	Sweden (TCO)

- Alle krav og kriterier skal udvikles i en åben proces, hvor interessenter har mulighed for indflydelse.
- Kriterierne er produktspecifikke og bygger på en livscyklusvurdering.
- Type 1-miljømærker kræver uafhængig tredjepartscertificering.
- Der er løbende forbedringer gennem regelmæssig evaluering og revision af kravene.
- Du kan læse mere om type 1-miljømærker på hjemmesiden [Global Ecolabelling Network](https://www.ecolabel.net/).

Svanemærket og EU Ecolabel



- Det officielle nordiske miljømærke
- Etableret i 1989
- Gør det enkelt at vælge blandt de miljømæssigt bedste produkter
- 93 % af danskerne kender Svanemærket
- 57 produktgrupper > 27.500 svanemærkede produkter på det danske marked

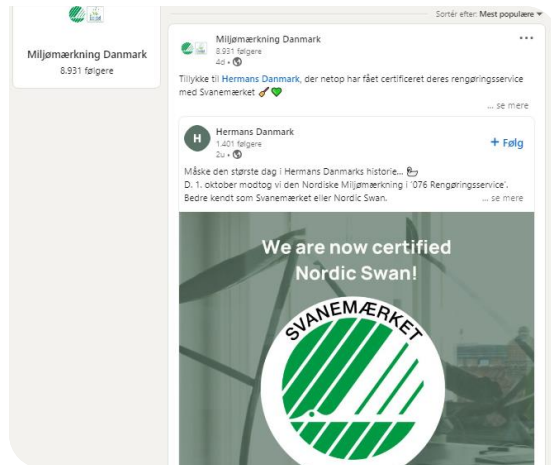


- EUs officielle miljømærke
- Initieret af EU-kommissionen 1992
- Kriterierne udarbejdes i en europæisk proces, hvor samtlige medlemslande deltager
- 42% af danskerne kender EU-Blomsten
- 25 produktgrupper > 14.000 produkter i Norden

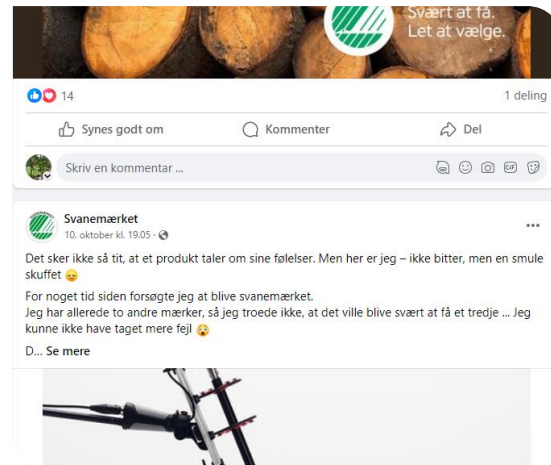
Find info om mærkerne her...



- miljomaerkning.dk
- svanemaerket.dk
- eublomsten.dk



- [linkedin.com/company/the-nordic-ecolabel/mycompany/verification/](https://www.linkedin.com/company/the-nordic-ecolabel/mycompany/verification/)



- [facebook.com/search/top?q=svanem%C3%A6rket](https://www.facebook.com/search/top?q=svanem%C3%A6rket)
- [instagram.com/svanemaerket/?hl=da](https://www.instagram.com/svanemaerket/?hl=da)



Svanemærket og EU-Blomsten

- Alle krav og kriterier skal udvikles i en åben proces, hvor interessenter har mulighed for indflydelse
- Kræver at kriterierne er produktspecifikke og bygger på en livscyklusvurdering
- Kræver uafhængig tredjepartscertificering
- Kræver løbende forbedringer gennem regelmæssig evaluering og revision af kravene.



Kriteriedokumenter

Bagvedliggende mærkekrav

Produktspecifikke og absolutte mærkekrav udgør tilsammen til et mærkes kriteriedokument for den givne produktgruppe.

De enkelte krav kaldes mærkekrav

Svanemærket og EU-Blomsten gør det komplekse enkelt!

Svanemærkning af **Kosmetiske produkter**



Version 3.12 • 8. november 2016 – 31. december 2024

Vurdering af hele livscyklus



Vurdering af hele livscyklus

Råvarer

- Genanvendte råvarer
- Bæredygtige fornybare råvarer
- Biodiversitet
- Klimabelastning og arealanvendelse



Vurdering af hele livscyklus

Råvarer

- Genanvendte råvarer
- Bæredygtige fornybare råvarer, ofte med råvarecertificeringskrav
- Klimabelastning og arealanvendelse



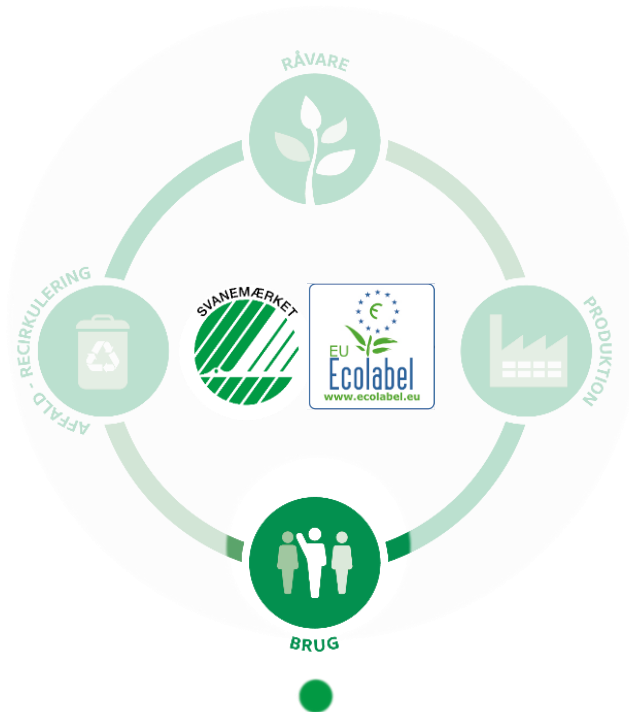
Produktion

- Ressource- og energieffektivitet
- Klimabelastning
- Fornybare energikilder
- Kemikalier
- Affald og emissioner

Vurdering af hele livscyklus

Råvarer

- Genanvendte råvarer
- Bæredygtige fornybare råvarer, ofte med råvarecertificeringskrav
- Klimabelastning og arealanvendelse



Produktion

- Lavt energiforbrug
- Ressource- og energieffektivitet
- Skift fra fossile energikilder
- Affald og emissioner

Brug

- Kvalitet og funktion
- Produktets levetid
- Klimabelastning
- Ressource- og energieffektivitet
- Kemikalie-eksponering

Vurdering af hele livscyklus

Råvarer

- Genanvendte råvarer
- Bæredygtige fornybare råvarer, ofte med råvarecertificeringskrav
- Klimabelastning og arealanvendelse

Affald & recirkulering

- Genbrug og genanvendelse
- Design for genanvendelse
- Undgået affald



Produktion

- Lavt energiforbrug
- Ressource- og energieffektivitet
- Skift fra fossile energikilder
- Affald og emissioner

Brug

- Lavt energiforbrug
- Forlænget levetid af produkter, fx via krav til kvalitet, reparerbarhed og reservedele
- Forbrugervejledning til korrekt brug f.eks. dosering af rengøringsmidler

Klimacase: Svanemærkede hæve-sænke-skriveborde

20%

CO₂ sparet ved at vælge et
svanemærket hæve-sænke-skrivebord.

- Et svanemærket hæve-sænke-skrivebord, vil udlede omkring 20% mindre CO₂ end et tilsvarende skrivebord, der ligger på markedsgennemsnittet.
- Følgende krav er regnet med
 - Krav til maksimalt energiforbrug anvendt til produktion af MDF-pladen
 - Krav til maksimalt energiforbrug for standbyfunktionen på motoren i hæve-sænke-funktionen.
- Andre krav, som også gavner klima og miljø, men som ikke er medtaget i beregningen
 - 10 års garanti
 - Skrappe kemikaliekraav
 - 70% af stålet skal være recirkuleret (eller produktion, der arbejder med teknologi for reduceret klimagasudslip)

Klimacases

BOBLER

Svanemærkede hæve-sænke-skriveborde med mindre klimaaftryk



Ca. 20% CO₂ besparelse ved at vælge et svanemærket hæve-sænke-skrivebord

Svanemærket blev i 1989 introduceret af 10 til at være etablerede betydelig en efter gennemførelsen af miljølovgivningen. Det skyldes først og fremmest kravet om miljøcertificering af de produkter af HCF-plast der er til stede i produktet på markedet.

- I analysen af miljøbelastning ved at sammenligne et hæve-sænke-skrivebord af svanemærket og et standard skrivebord af samme størrelse, blev det konstateret, at et hæve-sænke-skrivebord af svanemærket har et mindre CO₂-aftryk end et standard skrivebord af samme størrelse.

De miljødata blev indsamlet:

- Fra 10 nationale energiforsyningsselskaber til produktion af HCF-plast
- Fra 10 nationale energiforsyningsselskaber til produktion af HCF-plast

Advarsel: Hvis du er i tvivl om, om et produkt er miljøvenligt, bør du altid kontakte din leverandør eller producent for at få mere information. Hvis du er i tvivl om, om et produkt er miljøvenligt, bør du altid kontakte din leverandør eller producent for at få mere information.

Information om miljøcertificering af produkter af HCF-plast kan findes på www.miljoportalen.dk.

For mere information om miljøcertificering af produkter af HCF-plast, se www.miljoportalen.dk.

TEXTILE SERVICE

The Nordic Swan Ecolabel reduces climate impact



MIN. 27% CO₂ savings by choosing a Nordic Swan Ecolabel textile service for workwear laundry.

The Nordic Swan Ecolabel's criteria for textile services result in major savings in greenhouse gas emissions due to limits for energy consumption and greenhouse gas emissions at the laundry facilities.

- Requirement on energy consumption at textile services
- Requirement on an emissions of greenhouse gases by textile services

The analysis showed that there is a minimum of 27% CO₂ savings by choosing a Nordic Swan Ecolabel textile service rather than an average non-certified, best-practice textile service for workwear laundry. This is equivalent to saving 17% CO₂ per kg of laundry.

Other requirements that also benefit the climate and the environment but are not included in the calculation:

- Requirement on energy consumption at textile services
- Requirement on an emissions of greenhouse gases by textile services

Among the mandatory requirements that are not included in the analysis are:

- Requirements concerning the distribution of clean/dirty laundry
- Requirements concerning means of transport. These include handling of vehicles in environmentally correct driving, and the fact that newly purchased vehicles must be green to the extent feasible.

- Requirement to have lower energy consumption than the applicable energy requirement.
- The use of eco-labelled detergents.
- Prohibition of incineration of textiles.

The calculation is carried out by Veiged and Høegge and is based on the Nordic Swan Ecolabel criteria for textile services, generation 4.0.

Download the full survey here: [Download the full survey here](#)



PACKAGING FOR DETERGENT AND STAIN REMOVERS

The Nordic Swan Ecolabel promotes recyclability of plastic packaging



1.5 to 2.7 Kg CO₂ can be saved every time 1 kg plastic is being recycled instead of incinerated.



The Nordic Swan Ecolabel criteria for detergent and stain removers increases recyclability of packaging and can thereby achieve a positive impact on the greenhouse gas emissions.

The Nordic Swan Ecolabel also requires that high plastic packaging contain at least 80% post-consumer recycled material - apart from increasing the recyclability both through increased correct sorting (and recycling) and through increased quality.

An external evaluation of the Nordic Swan Ecolabel criteria influence on recyclability of packaging for detergent and stain removers has been carried out. The study found an increase of a number of material attributes and design guidelines and a more restricted selection with relevant substances.

The study concludes that the Nordic Swan Ecolabel criteria are largely aligned with design guidelines for improved recycling. Designing the recycling can help to ensure that packaging is better sorted correctly, and that the quality is high enough for the material to be used in new products without too much down-cycling.

By meeting a higher percentage of recycling, the Nordic Swan Ecolabel products (in their economy and can also help reduce climate impact on 1.5 to 2.7 kg CO₂ can be saved every time 1 kg plastic is being recycled instead of incinerated.

High potential for more recyclable plastics:

- Packaging design can prevent excess high recyclability for packaging. Collection systems and sorting are also key aspects that influence the availability of recycled plastic. Therefore, the study cannot conclude on these effects.
- However, the study concludes that Nordic Swan Ecolabel requirements are in line with design guidelines for improved recycling and design a more plastic. The design of selected plastic waste that is recyclable is only 40% based on the three Nordic countries (Denmark, Sweden, and Norway) where this was found. Just under 20% of the selected plastic waste ends up being recycled into new products.

Some of the main conclusions from evaluation of the Nordic Swan Ecolabel requirements:

- Moving to these more polymer types PE, PP and PET is important to ensure the best possible recycling.
- Avoiding the plastic components, additives or light colors, by not including any of color in PET and/or restrictions on the use of carbon black in PET and PP is important for the value of the material.
- Limiting the use of metals and dyes lowers the risk of contaminating the recycled plastic.

The study is carried out by Veiged and Høegge and is based on the Nordic Swan Ecolabel criteria for detergent and stain removers, generation 4.0.

Download the full survey here: [Download the full survey here](#)



SPORTS T-SHIRT

The Nordic Swan Ecolabel Reduces climate impact



15% CO₂ savings by choosing a Nordic Swan Ecolabel sports t-shirt.



The Nordic Swan Ecolabel's criteria for textiles, fabrics/leaves, and leather result in major savings in greenhouse gas emissions due to requirements for recycled content of synthetic textiles in a sports t-shirt to polyester.

An analysis of the climate effect by choosing a Nordic Swan Ecolabel polyester sports t-shirt over a comparable average non-Nordic Swan Ecolabel alternative has been carried out. The analysis is based on a cradle-to-grave life cycle assessment that focuses solely on CO₂. Then the saving relates to the raw material extraction and production of the sports t-shirt.

The calculation is based on a cradle-to-grave approach, including only the requirements that directly affect greenhouse gas emissions for the sports t-shirt, and where it is deemed that the effect of the requirements is quantifiable.

The study only includes the minimum CO₂ containing content of 100% recycled material but with up to 10% of new material allowed in this case. PET is not included in a sports t-shirt of polyester. The most average t-shirt contains 14% PET and 86% recycled polyester.

The analysis shows that there is 15% CO₂ savings by choosing a Nordic Swan Ecolabel sports t-shirt rather than a comparable average non-Nordic Swan Ecolabel alternative. This is equivalent to saving 10 grams CO₂ per shirt.

Other requirements that also benefit the climate and the environment:

- Requirement on energy consumption at textile services
- Requirement on an emissions of greenhouse gases by textile services
- Requirement to have lower energy consumption than the applicable energy requirement.
- The use of eco-labelled detergents.
- Prohibition of CRP substances and other substances.

The calculation is carried out by Veiged and Høegge and is based on the Nordic Swan Ecolabel criteria for textiles, fabrics/leaves, and leather, generation 5.0.

Download the full survey here: [Download the full survey here](#)



CANDLES

The Nordic Swan Ecolabel reduces climate impact from candles



55-60% lower climate impact when choosing a Nordic Swan Ecolabel candle.



The Nordic Swan Ecolabel's criteria for candles result in major savings in greenhouse gas emissions due to requirements on renewable raw materials and a lower selling price and oil use. The reduction can be up to 60%.

An analysis of the climate effect by choosing a Nordic Swan Ecolabel candle instead of a conventional paraffin candle has been carried out. The analysis is based on a cradle-to-grave approach that focuses solely on greenhouse gas emissions.

The study underscores the advantages of Nordic Swan Ecolabel candles with a renewable candle wax. The findings emphasize the importance of considering an optimal composition in candle production to mitigate the climate effects associated with their use.

The calculation is based on a cradle-to-grave approach, including only the requirements that provided the best basis for calculating a direct effect on climate. Two key criteria are taken into account in the study:

- CO₂ resulting from 90% renewable raw materials in the candles, and
- CO₂ resulting from the use of palm and soy oil in vegetable raw materials.

The analysis concludes that the climate impact of Nordic Swan Ecolabel candles is approximately 55-60% lower compared to paraffin candles.

The difference is because Nordic Swan Ecolabel candles are predominantly made from renewable raw materials in the form of the Nordic Swan Ecolabel, whereas paraffin candles are made from paraffin, which is a waste product from crude oil, i.e. a fossil fuel that emits fossil CO₂. The analysis thus shows how important it is to not compromise for the composition of raw materials when manufacturing light.

Other requirements that also benefit the climate and the environment:

- Requirement on energy consumption at textile services
- Requirement on an emissions of greenhouse gases by textile services
- Requirement to have lower energy consumption than the applicable energy requirement.
- The use of eco-labelled detergents.
- Prohibition of CRP substances and other substances.

The calculation is carried out by Veiged and Høegge and is based on the Nordic Swan Ecolabel criteria for candles, generation 2.0. See also [www.miljoportalen.dk](#).



Klimacases

MBLER

Svanemærkede hæve-sænke-skriveborde med mindre klimaaftryk

Ca. 20% CO₂ besparelse ved at vælge et svanemærket hæve-sænke-skrivebord

Svanemærket blev til i samarbejde med 10 miljøorganisationer. Et af hovedmålene er at reducere klimaaftrykket på produkterne i forbindelse med deres livscyklus. Det betyder først og fremmest garanti for miljørigt indhold af råvarer og fremstilling af råvarer på miljørigt vis.

Indholdet af råvarer og vedligeholdelse af produktet er blevet undersøgt og vurderet af eksperter. Desuden er der blevet undersøgt, hvor meget energi der bruges til at fremstille produktet. Det betyder, at svanemærket har lavt klimaaftryk, som kan være et vigtigt aspekt ved valg af nye produkter.

- De miljørigte råvarer
- Lavt CO₂ aftryk ved fremstilling af råvarer
- Lavt CO₂ aftryk ved fremstilling af produktet
- Lavt CO₂ aftryk ved brug af produktet

Indholdet af råvarer og vedligeholdelse af produktet er blevet undersøgt og vurderet af eksperter. Desuden er der blevet undersøgt, hvor meget energi der bruges til at fremstille produktet. Det betyder, at svanemærket har lavt klimaaftryk, som kan være et vigtigt aspekt ved valg af nye produkter.

Andre krav, som også giver mindre klimaaftryk - men som ikke er obligatoriske i forbindelse med Svanemærket, er at der bruges miljørigte råvarer, som også kan være brugbare til andre formål. Det betyder, at der bruges miljørigte råvarer, som også kan være brugbare til andre formål. Det betyder, at der bruges miljørigte råvarer, som også kan være brugbare til andre formål.

Indholdet af råvarer og vedligeholdelse af produktet er blevet undersøgt og vurderet af eksperter. Desuden er der blevet undersøgt, hvor meget energi der bruges til at fremstille produktet. Det betyder, at svanemærket har lavt klimaaftryk, som kan være et vigtigt aspekt ved valg af nye produkter.

Se mere om miljørigt valg på [www.mbl.dk](#)



TEXTILE SERVICE

The Nordic Swan Ecolabel reduces climate impact

MIN. 27% CO₂ savings by choosing a Nordic Swan Ecolabel textile service for workwear laundry

The Nordic Swan Ecolabel's criteria for textile services result in major savings in greenhouse gas emissions due to limits for energy consumption and greenhouse gas emissions at the laundry facilities.

An analysis of the climate effect of choosing a Nordic Swan Ecolabel textile service rather than an average non-Nordic Ecolabel service for workwear laundry has been carried out. The analysis is based on a life cycle assessment that focused solely on CO₂.

The calculation is based on a cradle-to-gate approach, including only the requirements that provided the best basis for calculating a direct effect on climate.

- The requirements included include:
 - Requirement CO₂ concerning energy consumption at textile services.
 - Requirement CO₂ on emissions of greenhouse gases by textile services.
 - Requirement CO₂ concerning water consumption at textile services.

The analysis showed that there is a minimum of 27% CO₂ savings by choosing a Nordic Swan Ecolabel textile service rather than an average non-Nordic Ecolabel textile service for workwear laundry. This is equivalent to saving 17% CO₂ per kg of laundry.

Other requirements that also benefit climate and the environment - but are not included in the calculation

The Nordic Swan Ecolabel criteria include a number of other requirements concerning water usage, which also have a major impact on climate and the environment.

The requirements below are not included in the calculation, as they are either difficult to quantify, often average data or are not mandatory. However, they are likely to result in even greater overall CO₂ reductions than the analysis shows.

- Among the mandatory requirements that are not included in the analysis are:
 - Requirements concerning the distribution of clean clothes.
 - Restrictions on chlorine.
 - Requirements concerning means of transport. These include handling of vehicles in environmentally correct ways, and the fact that newly purchased vehicles must be green to the extent possible.

- Several relevant point requirements have also been verified. These include:
 - Requirement to have lower energy consumption than the obligatory requirement.
 - Use of an eco-labelled detergent.
 - Measures to reduce disposal of textiles.

The calculation is carried out by Vegeprod and Høeghe and is based on the Nordic Swan Ecolabel criteria for textile services, generation 4.0.

Downloaded the full survey here: [Downloaded the full survey here](#)



PACKAGING FOR DETERGENT AND STAIN REMOVERS

The Nordic Swan Ecolabel promotes recyclability of plastic packaging

1.5 to 2.7 Kg CO₂ can be saved every 1 kg plastic is being recycled instead of incinerated.

The Nordic Swan Ecolabel criteria for detergent and stain removers increases recycled recyclability of packaging and can thereby achieve a positive impact on the greenhouse gas emissions.

The Nordic Swan Ecolabel also requires that high plastic packaging contain at least 80% post-consumer recycled material - aim to increase the recyclability both through closing the current sorting loop and finding new materials (plastic).

An external evaluation of the Nordic Swan Ecolabel criteria influence on recyclability of packaging for detergent and stain removers has been carried out. The study focuses on studies of a number of relevant literature and design guidelines and it aims to evaluate the effect of the requirements on recyclability.

The study concludes that Nordic Swan Ecolabel criteria has largely aligned with design guidelines for improved recycling. Design for recycling can help to ensure that packaging will be sorted correctly, and that the quality is high enough for the material to be used in new products without too much downcycling.

By meeting a higher percentage of recycling, the Nordic Swan Ecolabel promotes climate recovery and can also help reduce climate impact on 1.5 to 2.7 kg CO₂ can be saved every 1 kg plastic is being recycled instead of incinerated.

High potential for more recyclable plastics

Packaging design alone cannot ensure high recyclability for packaging. Collection systems and sorting are also key factors that influence the availability of recycled plastic. Therefore, the study cannot conclude on direct effects.

However, the study concludes that Nordic Swan Ecolabel requirements are in line with design guidelines for improved recycling and shows a high potential. The average of collected plastic waste that is recyclable is only 44% based on the three Nordic countries: Denmark, Sweden, and Norway's share while the Nordic Ecolabel criteria 80% of the collected plastic waste ends up being recycled into new products.

Some of the main conclusions from evaluation of the Nordic Swan Ecolabel requirements:

- Adapting to these new polymer types PE, PP and PET is important to ensure the best possible recycling.
- Improving the design structure, collection or right colors. This is also important as the color of PET and other polymers is a key factor in the sorting of the material for recycling.
- Limiting the use of metals and adhesives lowers the risk of contaminating the recycled plastics.

The study is carried out by Vegeprod and Høeghe and is based on the Nordic Swan Ecolabel criteria for detergent and stain removers, generation 4.0.

Downloaded the full survey here: [Downloaded the full survey here](#)



SPORTS T-SHIRT

The Nordic Swan Ecolabel Reduces climate impact

15% CO₂ savings by choosing a Nordic Swan Ecolabel sports t-shirt.

The Nordic Swan Ecolabel's criteria for textiles, fabrics/leaves, and leather result in savings in greenhouse gas emissions due to requirements for the recycled content of synthetic textiles in a sports t-shirt in preparation.

An analysis of the climate effect of choosing a Nordic Swan Ecolabel sports t-shirt rather than a comparable average non-Nordic Ecolabel sportswear item has been carried out. The analysis is based on a cradle-to-gate approach that focuses solely on CO₂.

The calculation is based on a cradle-to-gate approach, including only the requirements that directly affect greenhouse gas emissions for the sports t-shirt, and when it is determined that the effect of the requirements is quantifiable.

The study only includes the minimum CO₂ containing content of 100% recycled material but with up to 16% new material allowed in this case. PET is not included in a sports t-shirt material. The material requirements for the sports t-shirt are:

- Requirement CO₂ concerning energy consumption at textile services.
- Requirement CO₂ on emissions of greenhouse gases by textile services.
- Requirement CO₂ concerning water consumption at textile services.

The analysis showed that there is 15% CO₂ savings by choosing a Nordic Swan Ecolabel sports t-shirt rather than a comparable average non-Nordic Ecolabel sportswear item. This is equivalent to saving 15% CO₂ per t-shirt.

Other requirements that also benefit the climate and the environment

The Nordic Swan Ecolabel also includes other requirements which may be relevant to climate. The most important greenhouse gas emissions with an energy-related product are emissions. Also, requirements on quality might have the life cycle CO₂ emissions per use, as they are likely to result in even greater overall CO₂ reductions than the analysis for the climate impact.

Other requirements that also benefit the climate and the environment

- Requirement CO₂ concerning energy consumption at textile services.
- Requirement CO₂ on emissions of greenhouse gases by textile services.
- Requirement CO₂ concerning water consumption at textile services.

The analysis showed that there is 15% CO₂ savings by choosing a Nordic Swan Ecolabel sports t-shirt rather than a comparable average non-Nordic Ecolabel sportswear item. This is equivalent to saving 15% CO₂ per t-shirt.

Other requirements that also benefit the climate and the environment

- Requirement CO₂ concerning energy consumption at textile services.
- Requirement CO₂ on emissions of greenhouse gases by textile services.
- Requirement CO₂ concerning water consumption at textile services.

The calculation is carried out by Vegeprod and Høeghe and is based on the Nordic Swan Ecolabel criteria for textiles, fabrics/leaves, and leather, generation 5.0.

Downloaded the full survey here: [Downloaded the full survey here](#)



CANDLES

The Nordic Swan Ecolabel reduces climate impact from candles

55-60% lower climate impact when choosing a Nordic Swan Ecolabel candle

The Nordic Swan Ecolabel's criteria for candles result in major savings in greenhouse gas emissions due to requirements on renewable raw materials and a lower energy value and oil use. The reduction can be up to 60%.

An analysis of the climate effect of choosing a Nordic Swan Ecolabel candle instead of a conventional synthetic candle has been carried out. The analysis is based on a cradle-to-gate approach that focuses solely on greenhouse gas emissions.

The study underscores the advantages of Nordic Swan Ecolabel candles with a natural, biogenic climate impact. The findings emphasize the importance of considering the material composition in candle production to mitigate the climate effects associated with their use.

The calculation is based on a cradle-to-gate approach, including only the requirements that provided the best basis for calculating a direct effect on climate. Two key criteria are taken into account in the study:

- CO₂ resulting from 90% renewable raw materials in the candles.
- CO₂ resulting from the use of palm and soy oil in vegetable wax candles.

The analysis concludes that the climate impact of Nordic Swan Ecolabel candles is approximately 55-60% lower compared to synthetic candles.

The difference is because Nordic Swan Ecolabel candles are predominantly made from renewable materials in the form of the product instead of synthetic materials. Synthetic candles are made from paraffin, which is a waste product from crude oil, i.e. a fossil fuel that emits high CO₂. The analysis thus shows how important it is to have requirements for the composition of raw materials when manufacturing light.

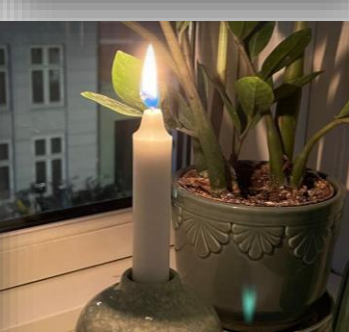
Other requirements that also benefit the climate and the environment

The Nordic Swan Ecolabel criteria include a number of other requirements concerning candles, which also have an impact on the environment and people's health. The requirements below are not included in the calculation, as they are not directly relevant for the climate impact. However, they are important for the overall life cycle and emissions reduction of Nordic Swan Ecolabel candles.

- No metal in the wick.
- No toxic substances in the wax.
- Chemicals must not be classified as carcinogenic, mutagenic, reproductive or harmful to the environment.
- No perfume or other additives.

The calculation is carried out by FREL - Research Institute of Sweden, and it is based on the Nordic Swan Ecolabel criteria for candles, generation 2.0. See full report [here](#).

Downloaded the full survey here: [Downloaded the full survey here](#)



Fordele ved at bruge miljømærker i indkøb

Ledelsesbeslutning ●



Enklere miljøkrav

Enklere at følge op

Tydelig ledelsesbeslutning
Mærkerne gør kommunikationen af den grønne indkøbspolitik mere tydelig

Tilgængelighed

Fordele ved at bruge miljømærker i indkøb

Ledelsesbeslutning



Enklere miljøkrav ●

Enklere at følge op

Enklere at stille miljøkrav
Organisationen skal ikke selv udvikle miljøkrav
Kravene udvikles og opdateres løbende for at sikre relevante og tidssvarende krav

Tilgængelighed

Fordele ved at bruge miljømærker i indkøb

Ledelsesbeslutning



Enklere miljøkrav

Enklere at følge op

- Enklere at følge op
- Kontrol af mærkerne foretages af tredjepart
- Mærkerne kan sættes på varer i e-kataloger
- Mærkerne kan indgå i statistik for grønne indkøb

Tilgængelighed

Fordele ved at bruge miljømærker i indkøb

Ledelsesbeslutning



Enklere miljøkrav

Enklere at følge op

Svanemærket og EU-Blomsten dækker næsten 60 produktområder og både produkter og serviceydelser

Tilgængelighed ●

Regionshospitalet Randers

CASE – REGIONSHOSPITALET RANDERS

Svanemærket gjorde os klogere på vores forbrug



Bæredygtige tiltag har længe stået højt på dagsordenen hos Regionshospitalet Randers. I 2020 fik hospitalet som det første i Norden certificeret hospitalsrengøringen med Svanemærket. Certificeringen har blandt andet medført, at hospitalet har reduceret forbruget af rengøringsmidler og plastikposer markant.

I 2018 begyndte Region Midtjylland for alvor at prioritere Bæredygtige tiltag højt, hvilket i første omgang resulterede i en politik for miljømærkede indkøb i 2019. Den 1. juli 2020 fik Regionshospitalet Randers som det første hospital i Norden certificeret hospitalsrengøringen i deres serviceafdeling med Svanemærket. Certificeringen er ifølge faglig leder for Center for Bæredygtige Hospitaler Maria Gaden et resultat af Region Midtjyllands fokus på klima, miljø og ressourcer.

"Vi ved, at hospitaler sætter store klimaafttryk, og tilbage i 2017 fandt vi ud af, at det var vores interne forbrug på hospitalet, der satte det største aftryk. Derfor gav det mening

at starte med at kigge nærmere på, hvordan vi kunne reducere vores forbrug generelt, og vi startede i rengøringsafdelingen", fortæller Maria Gaden.

Maria Gaden arbejdede på daværende tidspunkt som jordemoder, men fik opbakning af hospitalets HovedMEDudvalg til at undersøge, hvordan hospitalet kunne gå forrest med svanemærket rengøring.

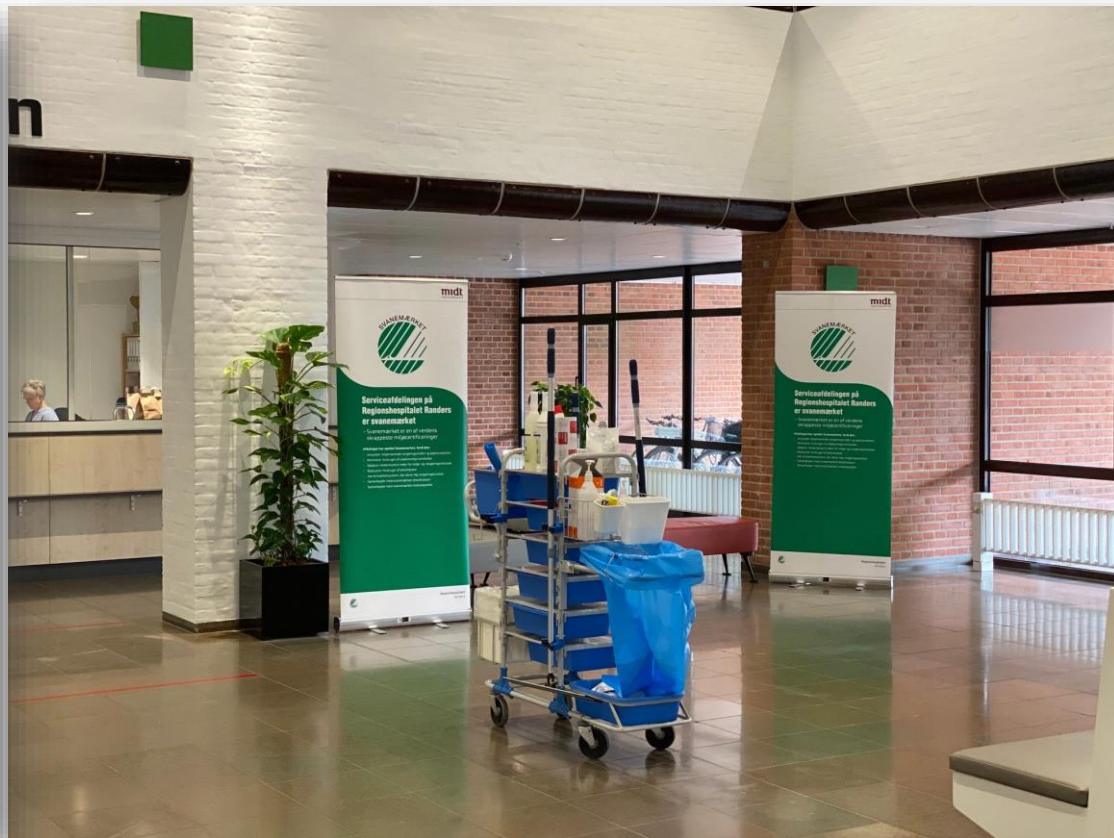
"Vi valgte at gå efter Svanemærket, fordi vi oplevede stor tillid til de officielle miljømærker, og vi vidste, at mange af vores medarbejdere i forvejen kendte Svanemærket. Det havde stor betydning i forhold til den videre proces med god opbakning og

tillid til mærket, og det blev skudt til, at vi kiggede nærmere på at svanemærke vores rengøringsafdeling, som netop er et område med stor betydning for hele hospitalet".

Mærkbare resultater

Med certificeringen af hospitalets rengøring har Regionshospitalet Randers opnået flere mærkbare resultater.

"Vi har skærpet vores fokus på, hvilke rengøringsmidler vi bruger. Det har betydet, at vi er gået fra, at 50 til 60 % af vores rengøringsmidler var miljømærkede, til at 100 % nu er miljømærkede", siger Maria Gaden. Det skærpede fokus på at gå efter miljømærket bredte sig. Regions-





Ægne indkøbsområder 2024







<p>Kategori 1 Mange produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.</p>	<p>Børne- og babyplejeprodukter (inkl. kosmetiske- og hygiejneprodukter) Børnebleer (natbleer fra 17-57 kg undtaget) Fuldspartel Gulve (ekskl. vinyl) Indendørsmaaling og udendørsmaaling Investeringsfonde Kantinedrift Linoleumsgulve Produkter til personlig pleje Rengøringservice Tekstilservice (vaskerier) Tonerkassetter (recirkuleret og ikke på serviceaftaler) Vaske- og plejeprodukter til biler Vinduespolering</p>
<p>Kategori 2 Flere produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.</p>	<p>Bilvaskehaller Bomuldsbeklædning (fx 100% bomulds t-shirts og undertøj) Genopladelige batterier (AA og AAA) Hobbyartikler (Hobbymaling) Kemiske byggematerialer (lim og visse typer spartel og fugemasser) Legetøj af plast (fx sand, vand og rollespil) Madraser til børn Smørremidler Træ - særlig holdbart (byggemateriale) Træbeskyttelse Udemøbler</p>
<p>Kategori 3 Få produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.</p>	<p>Babyprodukter med tekstil (køreposer) Bio-brændstof Byggematerialer (køkkener, døre) Bygge- og facadeplader Campingpladser Engangsservietter til tandlægebehandling Fladvarer Powerbanks Hobbyartikler (ekskl. hobbymaling) Kemiske byggematerialer (lak) Legepladsredskaber Legetøj (b.l.a. cykler og trælegetøj) Let arbejdsbeklædning (fx kitler og bukser) Natbleer (17-57 kg) Rens af væskeskadede elektronik Renseri Skind og læder Sko og andet fodtøj Vækstmedier, jordforbedringsmidler og dækklag Yderdøre</p>
<p>Kategori 4 Ingen produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.</p>	<p>Andre overnatningsmuligheder (vandrehjem) Babyprodukter med tekstil (fx barnevogne) E-handelstransporter Grov arbejdsbeklædning Hygiejneprodukter (mundbind) Kaffetjenester Kompostbeholdere</p>

Årsrapport 2022 Bæredygtige Indkøb



<https://www.kk.dk/baeredygtigeindkoeb>

Indkøbsområder på SKI-aftaler 2024

Kategori 1 Mange produkter og services med Svanemærket, EU Ecolabel eller TCO Certified	Engangsartikler og fødevareremballager (engangskrus af pap og kaffefiltre) Engangsbatterier Hygiejneprodukter (bleer, engangsvaskeklude og bind m.m.) Inkontinensprodukter (absorberende inkontinensprodukter) Kontormøbler (reoler, borde, kontorstole, skærmvægge, kantine stole) Kopi- og trykpapir Kosmetiske produkter (håndsæbe, cremer, shampoo og vådservietter m.m.) Levende lys Mad- og bagepapir Opvaske- og afspændingsmidler til maskinopvask Opvaskemidler til håndopvask Opvaskemidler til professionel maskinopvask  PC-skærme Rengøringsmidler Rengøringsprodukter med mikrofiber Tekstilvaskemidler og pletfjernere Toiletpapir, køkkenruller, servietter, papirhåndklæder og lign. Tryksager, notesblokke og andre forædlede papirprodukter Vaskemidler til professionelt brug
Kategori 2 Flere produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.	Møbler og inventar (inkl. institutionsmøbler og konference stole, ekskl. reoler, borde, kontorstole, skærmvægge og kantine stole) Kontormaskiner (kopi- og multifunktionsmaskiner) Tømidler  Alt-i-en PC'er  Bærbare PC'er (Notebooks)  Hovedtelefoner (Headsets)  Stationære PC'er (Desktops)  TV
Kategori 3 Få produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.	Engangsartikler og fødevareremballage (b.l.a. tallerkner, skåle, fryseposer og fade samt engangskrus af andre materialer end pap) Medicinsk engangsudstyr (Engangskatetre) Hoteller Konferencesteder (uden overnatning) Kontorartikler (skriveredskaber)
Kategori 4 Ingen produkter og services med Svanemærket, EU Ecolabel eller TCO Certified.	



Københavns Kommune - Markedsdialog

2018: Kontormøbler og legetøj

- 36 kommuner og 2 regioner bakkede op

2019: Arbejdsbeklædning og kontorartikler

- 40 kommuner, 4 regioner m.fl.

2020: Babyudstyr og institutionsmøbler

- 51 kommuner

2021: Hoteller samt Pavilloner & inventar

- 31 kommuner, 3 regioner m.fl.

2022: Hobbyartikler og legepladsredskaber

- 66 kommuner

2023: Kontorartikler samt gulve og maling

- Alle 23 POGI-kommunerne

2024: Legetøj

Hvad sker der inden for grønne indkøb?

- National strategi for grønne offentlige indkøb
- Mål for miljømærkede indkøb og brug af totalomkostningsberegninger
- I 2030 skal alle offentlige indkøb være mærket med Svanemærket, EU-Blomsten eller tilsvarende
- Staten skal allerede nu købe produkter med Svanemærket og EU-Blomsten




Grønne indkøb for
en grøn fremtid

– strategi for grønne offentlige indkøb

Hvilken hjælp tilbyder Miljømærkning Danmark?

- Kom godt i gang med miljømærkede indkøb
 - strategi, politik og mål
- Miljømærketjek af udbudsplanen
- Analyse af markedet for miljømærkede produkter
- Vejledning i brug af miljømærker i udbud
- Kontrol af licens for tilbudte miljømærkede produkter
- Kommunikation af godes cases

A modern kitchen and balcony area. The kitchen features white cabinetry, a wooden countertop, and a sink. A balcony with a wooden deck and a metal table and chairs is visible through a large glass door. A green circular overlay is positioned on the left side of the image, containing the text "Svanemærket Byggeri og drift".

Svanemærket
Byggeri og drift



Scope

Nybyg

- 42 Obligatoriske krav
- 23 Point krav

Renovering

- 43 Obligatoriske krav

Drift

- 38 Obligatoriske krav, Nov 2024

Strategy for alignment with the EU Taxonomy

- Implementation of the technical screening criteria's for substantial contribution to climate mitigation as mandatory requirements in this Nordic Swan Ecolabel criteria generation 4 in all countries where it is feasible.
- Implementation of those Do-No-significant-harm criteria in generation 4, that are considered relevant and reasonable, and where the delegated act is relatively clear on what is required to fulfil the requirement.
- National interpretations and corrections and explanations given by the EU commission will be evaluated and implemented when relevant

Alignment with the EU Taxonomy framework

- Nordic Ecolabelling **cannot** guarantee EU taxonomy alignment through our criteria for New Buildings.
- Nordic Ecolabelling **do not take any legal responsibility** for the (degree of) alignment, nor can a building project or a building material ecolabelled with the Nordic Swan Ecolabel be claimed as taxonomy aligned based on the ecolabelling criteria.
- The **responsibility** for documentation of EU taxonomy compliance **solely belongs to the company who is claiming it.**

O7

Mulighed for affaldssortering

Affaldssorteringsbeholdere skal installeres i mindst:

- fire grupperinger i den svanemærkede boligenhed, dvs. i lejlighed og hus.
- fem grupperinger i eller ved siden af køkkenet på den svanemærkede skole og daginstitution.

Restaffaldet tæller som en gruppering.

En affaldskværn kan kun regnes som en gruppering, hvis madaffaldet samles i en beholder/tank og sendes til forrådnelse eller kompostering, og affaldskværn er godkendt i henhold til kommunale/lokale VA-regler.

Krav O23 (nano) gælder også for affaldskværn.

Beskrivelse af affaldssorteringsbeholdere enten i tekst eller billeder.



Kriterier for svanemærket byggeri

Nybyg, Renovering og kommende kriterier for drift af ejendomme

- Transparens
- Alle Svanemærkets krav og kravniveauer er offentligt tilgængelige på vores hjemmeside.

Hvad skal opfyldes for at opnå certificering?

- Primært obligatoriske krav (42) med faste kravniveauer.
- Sekundært pointkrav med krav om fast antal point for den pågældende bygningstype.
- Svanemærket gradueres ikke.

Nybyggeri – obligatoriske krav

Kategorier	Eksempler på obligatoriske krav
1. Klima og energi Energi Klimaberegning af bygningen (LCA) Cement og beton Lysstyring Indendørs belysning Energieffektive hvidevarer Stålproduktion og Aluminium	Alle bygningstyper: 10 % bedre end BR18 eller lavenergiklassen Krav 10.5 CO2 ækvivalenter pr. kvm, justeres løbende jf. BR. Produkt specifikke data for emission (EPD) Automatisk behovsstyring Automatisk behovsstyring, fælles arealer Specificerede energi klasser Krav til genanvendelse andele af indgående materiale
2. Affald Byggeaffald Affaldssortering inde i bygningen	Min. 70 vægt % af det ufarlige byggeaffald skal udsorteres Beboelse: mindst fire fraktioner
3. Materialer Genanvendte materialer Materialepas Kemiske materialer Byggematerialer Formaldehydemissioner Langtidsholdbart træ Miljømærkede produkter	Screening for farlige stoffer Materialers anvendelse og placering i bygning Screening mod Klassificering af kemiske produkter og CMR Stoffer Screening med miljøskadelige effekter og additiver Træ- eller laminatpaneler og -plader til indendørs brug Forbud mod trykimprægning Krav til minimumsanvendelse

Nybyggeri – obligatoriske krav, fortsat

Kategorier	Eksempler på obligatoriske krav
4. Biodiversitet Truede træsorter Træ Biodiversiteten på projektområdet	Forbud mod anvendelse FSC eller PEFC Vurdering af eksisterende biodiversitet, foranstaltninger til bevarelse og løbende forvaltning
5. Indeklima Akustik Dagslys Overophedning	Kontorer og Institutioner Simulering 200 Lux for beboelse Risiko screening, specifikke krav niveauer for kontorer og Institutioner 6
6. Kvalitetsstyring Lufttæthed Forebyggelse af fugt Information og kommunikation Entreprenørens egenkontrolsystem Tilsyn og kontrol	Rutiner for at teste bygningens lufttæthed Plan for fugtforebyggelse og Plan løbende fugtmålinger Plan for til sikring af overholdelse og kommunikation for byggeriet entrepriser Processer og plan for egenkontrol Miljømærkning Danmark udføre 2 tilsynsbesøg. 1. Anmeldt og 1. Uanmeldt

Systemet til P-krav

Område	Krav til området
Energi og klima	P1 Hårde hvidevarer i bedre energiklasse (2p) P2 Vandbesparende sanitetsarmaturer (uddannelses- og kontorbygning) (1p) P3 Energieffektive og vandbesparende sanitetsarmaturer og teknologier (2p) P4 Styring af elforbrug i spidsbelastningsperioder (2p) P5 Lokal produktion og energiodnyttelse af vedvarende energi (3p) P6 Kvalitetssikring af klimaberegningen (2p) P7 Vurdering af risici i et foranderligt klima (1p) P8 Tilpasning til et klima i forandring (1p) P9 Begrænsninger for brændstof på byggepladsen (2p) P10 Maskiner til byggepladsen (2p) P11 Cykeltransport (2p)
Ressourceeffektivitet/cirkulær økonomi	P12 Optimering af byggeaffald (3p) P13 Reduktion af byggeaffald (3p) P14 Tilbagetagningssystemer (take-back) (3p) P15 Genbrugte byggevarer og materialer (4p) P16 Isoleringmaterialer fremstillet af fornybare materialer (2p) P17 Bærende system, facade eller vægge i fornybart materiale (2p) P18 Design med henblik på demontering og tilpasning (2p)
Miljømærkede produkter	P19 miljømærkede produkter (14p) DK: minimum 8 point
Biodiversitet	P20 Biodiversitetsforanstaltninger og økosystemtjenester (6p)
Indendørs miljø	P21 Kvalitetssikring af akustik (1p) P22 Solafskærmning og energieffektive køleteknologier (2p)
Innovation og grønne tiltag	P23 innovation og grønne tiltag (3p)
Samlet antal tilgængelige point	64

Systemet er ændret meget i forhold til gen. 3. Bør derfor være et fokusområde for nye licenser.

- I alt 23 P-krav
- I alt 64 point er tilgængelige
- Der indføres en minimumsscore for miljømærkede produkter

Følgende minimums score skal opnås:

Bygningstype	Minimum pointsum
Enfamilieshus, rækkehus og flerfamilies huse	28
Beboelsesejendomme/lejligheder	25
Kontorbyggeri	25
Uddannelsesbygning	24

Handling of the EU Taxonomy in the criteria for New Buildings

Substantial contribution requirements	NSE requirement	089	Additional information
7.1.1.1 Primary energy demand	O3	Energy demand of the building	-
7.1.1.2 Air tightness	O38	Air permeability O42 the contractor's selfmonitoring system	-
7.1.1.3 GWP calculation	O6	Climate calculation of the building	-
Do-No-Significant-Harm criteria			
7.1.2.1 Climate Change adaption	P7	Assessment of risks in a changing climate P8 Adaptation to a changing climate	Uncertainty about the scope and extent in the industry.
7.1.3.1 Sustainable use and protection of water and marine resources	P2	Water saving sanitary tapware	Challenges regarding implementation in current sewage-system (standard is 3-6 L flush)
7.1.3.2 Sustainable use and protection of water and marine resources	Annex B is covered by national legislation-		
7.1.4.1 Transition to a circular economy	O10	Construction waste management	NSE requirement does not cover demolition waste as mandatory part.
7.1.4.2 Transition to a circular economy	P18	Design for disassembly and adaptability	Uncertainty about the scope and extent in the industry.
7.1.5.1 Pollution and prevention control	O25	Building products	Chemical products and buildings products covered by O25 are assumed to be aligned with the requirements in the EU Taxonomy. However, any exemptions in these criteria are not evaluated. The applicant must therefore specifically evaluate alignment with the EU Taxonomy when an exemption is used.
Building components and materials used in the construction must comply with annex C	O14 - 19	chemical substances	
7.1.5.2 Pollution and prevention control	Test method for formaldehyde release not		

Handling of the EU Taxonomy in the criteria for New Buildings

Do-No-Significant-Harm criteria	Related requirement	Additional information
7.1.5.3 Pollution and prevention control Location on a potentially contaminated site	Legislation in all Nordic countries	
7.1.5.4 Pollution and prevention control - noise, dust and emission during construction	Legislation in all Nordic countries	
7.1.6.1 Protection and restoration of biodiversity and ecosystems, annex D	Legislation in all Nordic countries	
7.1.6.2 Protection and restoration of biodiversity and ecosystems (requirements for the specific location)	P20 Biodiversity measures and ecosystem services	Uncertainty whether a building permit is sufficient or not.

Requirements (38 mandatory/obligatoriske req./krav)

General requirements (3)

- O1. Description of the business
- O2. General information about the building
- O3. Annual follow-up

Management (4)

- O4. Maintenance plan
- O5. Training of employees
- O6. Information to the users/tenants
- O7. User complaints and fault reports

Energy requirements (5)

- 7.3 | O8. Energy action plan
- O9. Energy metering
- O10. Energy efficiency - Continuous operation optimization
- O11. Operations and maintenance instructions
- O12. Purchasing of white goods

Climate change (2)

- (II) 7.7 O13. Risk analysis Climate Change
- (II) 7.7 O14. Adaptation to a changing climate

Indoor climate (8)

- O15. Damp, mould and moisture survey
- O16. Damp, mould and moisture prevention and handling plan
- O17. Inventory of environmental hazardous substances
- O18. Measurement of PCB levels in indoor air
- O19. Air quality and ventilation - Continuous operation optimization
- O20. Thermal comfort - Continuous operation optimization
- O21. Radon
- O22. Legionella

Water (4)

- O23. Water metering
- O24. Water - Continuous operation optimization
- 7.3 O25. Purchasing of sanitary tapware
- O26. Water saving technologies and measures

Recycling, reuse and waste management (3)

- O27. Information to users/tenants and possibility of sorting at source
- O28. Promotion of repair and reuse for users/tenants
- O29. Promotion of repair and reuse in relation to building improvements and tenant adaptations

Biodiversity (1)

- O30. Outdoor area

Services and products in daily operations, maintenance and building improvements (8)

- O31. Cleaning products and services
- O32. Other Ecolabelled services
- O33. Ecolabelled products
- O34. PVC on floors, ceilings, walls, doors and windows
- O35. Copper
- O36. Prohibited and restricted tree species
- O37. Wood and bamboo
- O38. Procurement procedures

Materialekrav

Skrappe krav til materialer der indgår i byggeriet

Indgående kemi i kemiske og faste byggematerialer



Forbud mod stoffer der er under mistanke for at være skadelige

Urenheder i kemiske produkter



Restprodukter (mindre end 1000 ppm (0,100 W-%, 1000 mg/kg))

Præfabrikation

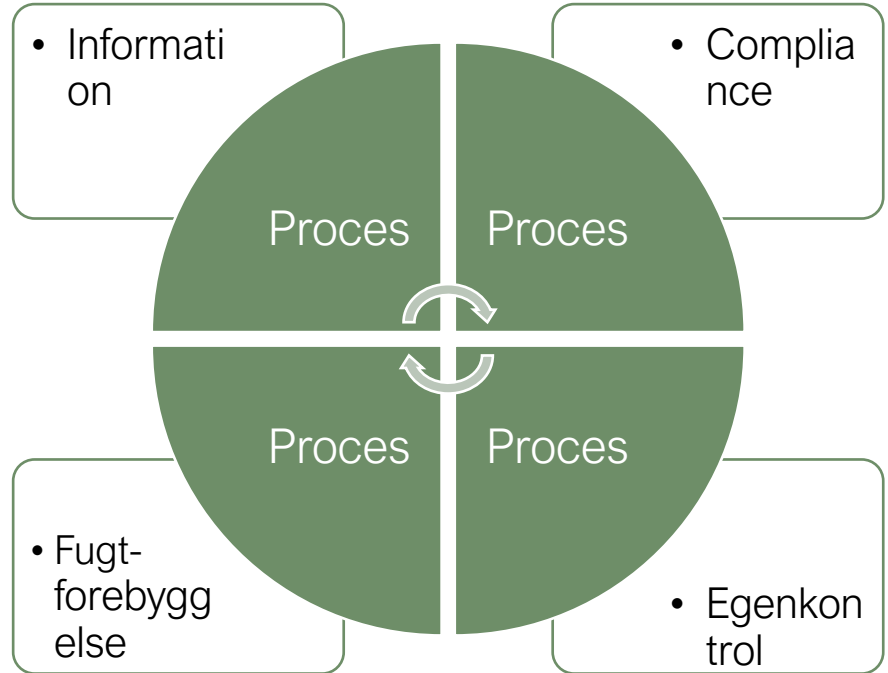


Krav gælder for moduler, sandwich- og betonelementer, badeværelser mv.

Kontrol og kvalitetskrav

Svanemærket kontrol

- Anmærkning
- Udbedring
- Opfølgning
- Påbud





Tak for opmærksomheden!

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