

DenCoat™

Tomorrows Floors Today

Schools
Institutions
Sporting establishments
Exhibition areas
Hospitals
Offices
Workshops
Playgrounds

Comfort Floors

Dencryl™ · Denpox™ · Denpur™ · Dencrete™

Dencoat™ - the Common Denominator for

Ultimate Comfort floors

Specific individual needs coupled with time sensitive deadlines requires special knowledge and specialised products to cover all modern flooring needs. The advice given should always represent the best solution to satisfy your demands!

Selecting the correct type of floor is just one aspect in finding the optimal solution. Trusting the company who is advising, supplying and installing the end product is even more important. Some resin based floors currently on the market do not live up to their customers expectations. This is not surprising considering there are so many different products available. Specifying an Dencoat™ floor ensures the most appropriate floor is installed first time. Our floors have been installed suc-

cessfully throughout Europe, North America, Australia and in many of countries.

Industrial floor toppings and coatings

Dencoat™ is renowned as one of the leading experts in the field. Our wide range of product and global market knowledge enables us to provide tailor made solutions to meet your specific needs. With our latest technological developments in epoxy, polyurethane and MMA resin systems, Dencoat™ systems strives to provide the ultimate of what can be achieved.

From the idea...

to the drawing board and through to completion, Dencoat™ is your most experienced and qualified

partner. We provide fully integrated and complete systems, customised and installed by a Dencoat™ group company or by one of our Dencoat™ certified contractors.

Today's floor for **the future** requirements

Denpur™ Comfort Flooring is today's response to a floor that meets all the requirements that the user and the builder can make for a floor. The floors are super robust and extremely durable with an expected life of at least 20 years - of course depending on the chosen thickness of the surface and wear layer.

No joints, no problems

Dencoat™ flooring solutions are floorless floors that are laid out in liquid form on a solid surface - eg. concrete. The floor thus creates a beautiful overall surface without joints. Therefore you avoid cracks where dirt and dust can settle.



Available in all colors

Denpur™ Comfort Floors are delivered as standard in a variety of beautiful colors, but can of course be produced in all the colors of the rainbow, so not only the architect and builder behind the building will be satisfied, but also the daily users, whether it's industry and offices, shops, shopping malls, sports halls or schools, institutions and hospitals.

Good for back and ears

Dencoat™ Denpur Comfort floors are extremely durable and robust, yet soft and comfortable to wear. It's good for the back that is not going to miss the hard bumps through the body, as other hard floors can cause. The soft 6-7 mm thick surface is also sound absorbing, eliminating step sounds and preventing sound from spreading to other parts of the building.

Fast installation

Denpur™ Comfort is one of the fastest ways to lay the floor and thus create a foundation for a beautiful and durable foundation that completes construction.



The floor is ready for foot traffic after only 24 hours.

Environmentally friendly ingredients

Free of solvents Denpur™ SL Comfort is completely free of solvents and is made of natural plant oils. Among other things, the floor meets the strict German environmental standards.

Easy to clean and maintain

Under normal conditions, it is enough to sweep the floor with a dry cap. However, if there is any dirt, pour a little mild soap into the water - and the surface of Denpur™ SL Comfort is beautiful, as when the floor was just laid.

w w w . d e n c o a t

Safe delivery

30.000 m² of environmentally friendly durable floors

Copenhagen's new psychiatric hospital



As a part of a modernization of the Danish health care system, a new 44.000m² psychiatric hospital has recently opened near to the capital of Copenhagen in Denmark - the most modern of its kind.

To complete the interior design, the Architects chose to install more than 30.000m² of Dencoat™ Denpur Comfort, a soft and comfortable 6-7 mm thick layer of polyurethane floor coating . The flooring is super Eco friendly - see more below.



endly and

Dencoat™ Denpur Comfort is a floor system which is free from solvents and manufactured by natural plant oils derived from Castor oil.

Supply & Apply

The raw concrete floors was handed over to Dencoat™, and the first task was subsequently to expound concrete and floor filler so the floors were geared up and ready for the final flooring.

Dencoat™ handles process control and quality assurance while the

actual work of installing the floor covering is outsourced to local partners and subcontractors.

As one of very few flooring providers, Dencoat™ can therefore undertake a large task as expound 30,000 m² of patient rooms, pedestrian and recreational areas, kitchens and canteens and more than 5,000 m² hallways. To illustrate the scale of the project, Dencoat™ also installed more than 16 kilometers of wall covings!

C a s e s t u d y

The floors meet stringent environmental standards

JAKON which is one of Denmark largest construction companies accounted for the interior outfitting of the hospital. Thus, it was JAKON who selected Dencoat™ as the supplier of the environmentally friendly floors. As a reference JAKON used the newest European environmental standard for construction materials, including life cycles analysis of all raw materials into the production of the products and the final elimination of its time many years from now. And naturally Dencoat™ met all these stringent environmental demands in full.

To top it, Dencoat™ was also by far the most competitive supplier, due to the fact that Dencoat™'s sister company Denpol™ produces and develop the raw materials used in the floors.

And as an extra obviously added benefit, Dencoat™ Denpur Comfort is also durable, comfortable to walk on and easy to maintain and clean.



Free of seams and joints

Dencoat™ Denpur Comfort is a seamless and very comfortable PU coating (polyurethane) with sound-deadening properties. In addition, the floor is very flexible and free of joints and seams which can hide dirt and bacteria.

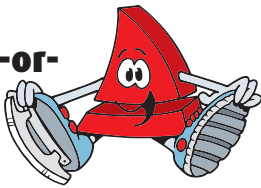
In addition prevents the flooring material from crack forming.



Dencoat™ **Comfort** floors - ready in no time...

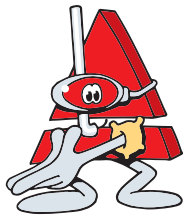
Smooth-or-Non-slip

The practical requirements connected with industrial floors are many. One situation can demand a very smooth surface while another calls for the highest possible non-slip qualities. Dencoat™ can supply floors, which fulfill all these requirements, from one extreme to the other, so that the working day is safe - and smooth...



Complete watertight

Any liquids which may come from the production process or which may be used in connection with the cleaning of the floor, must be drained off quickly and effectively. This requires a floor which is absolutely watertight and which can be laid with seamless drainage. Dencoat™ is the solution...



Hygienic

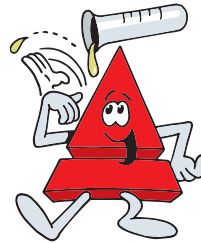
In many areas - from the food industry to hightech companies - hygiene is a high priority. Here, floor coverings are, in every respect, the foundation. Dencoat™ flooring is very often chosen on the basis of its many excellent hygienic qualities. With Dencoat™ you don't need a



plate - you can eat directly from the floor..

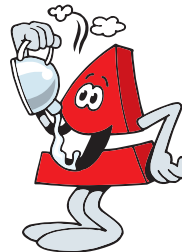
Resistant to chemicals

In those industries where chemicals are used, a floor must live up to very stringent demands. It must be acid and base proof and must be able to be cleaned thoroughly. Dencoat™ flooring is made from a range of man-made materials which can be combined so that they effectively fulfill the individual customer's requirements with regard to chemical resistance. In short: Dencoat™ has the floor that lives up to all your expectations...



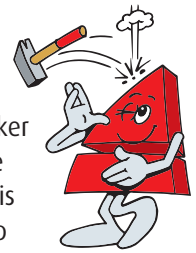
Heat resistant

A floor must also be able to withstand heat-producing production processes or intensive cleaning at high temperatures. Dencoat™ flooring can be supplied in an extremely heat-resistant version which can withstand very high temperatures...



Chock resistant

Generally, the thicker the floor, the more resistant the floor is to heavy and sharp objects, impacts, shocks and dropped objects. Dencoat™ delivers floor solutions to everything from school building to offices, shopping and sports centers to heavy industry with heavy wear and tough industrial treatment.



Extremely hard-wearing

An industrial floor must be able to put up with frequent traffic. The same applies to floors in shops, large kitchens, bakeries, butchers, etc. A Dencoat™ floor is a solid foundation everywhere and is extremely hard-wearing. A worthwhile, long-term investment, which will ensure solid ground under your feet for many years to come...

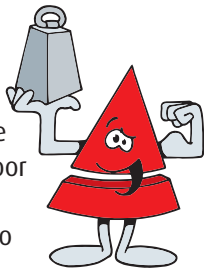


w w w . d e n c o a t . c o m



Withstands heavy loads

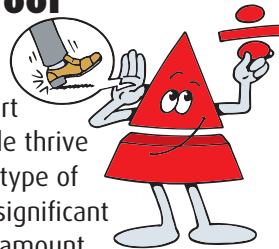
Apart from intensive use, an industrial floor must also, in many industries, be able to withstand severe mechanical influences. The various man-made materials, which are present in a Dencoat™ floor, are combined to produce an underlay, which can withstand even the toughest industrial treatment. With a Dencoat™ floor, everything is as easy as winking...



throughout the building. That they look great too is just an added bonus!

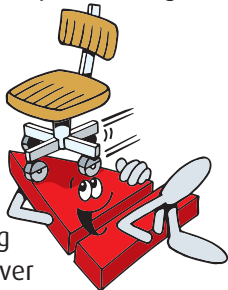
Soundproof

Acoustics play an important part in how people thrive indoors. The type of flooring is a significant factor in the amount of sound reflected in a room, concrete floors being the most notorious culprits. Dencoat™ flooring solutions that carry this brand absorb sound, contributing to the creation of a pleasant indoor environment.



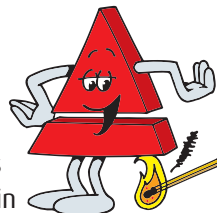
Office chairs

In many offices, there's a fair amount of rolling back and forth over the course of a day. Dencoat™ floors have been tested to resist this traffic so that the beautiful office floors aren't compromised by wear and tear.



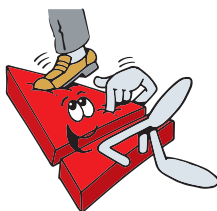
Fire tested

All Dencoat™ floors have been tested in accordance with international standards so that you, as the architect or builder, can choose a Dencoat™ floor that lives up to the demands of each individual construction. In many cases the fire requirements are exceeded.



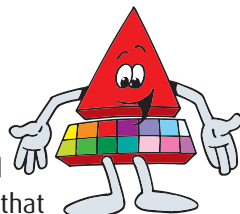
Comfort

With the nice soft coating of the Dencoat™ Comfort series, two important functions are achieved. Firstly, they absorb hard shocks so that your back isn't unnecessarily burdened. Secondly, they are soundproof so that the noise of steps doesn't resound



Colour

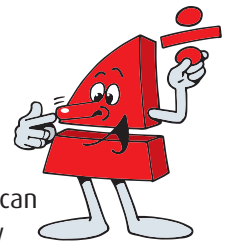
Dencoat™ floors can be delivered in any colour so that you, as the architect or builder, can let the floor contribute to the



overall design of the building. The individual Dencoat™ floor types come in a range of standard colours but can be delivered in any specific hue of your choosing.

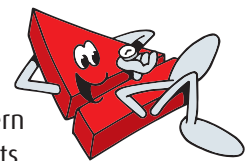
Free of smells and VOC

Most Dencoat™ flooring solutions can be made with raw materials that do not contain volatile organic compounds. This is not just an advantage as the first jointless floor is laid out, but also in relation to future maintenance and repairs. Thus, VOC free flooring solutions are the obvious choice for offices, halls, and places where food is being processed.



Fast curing

In many modern production units, down time is an important issue. Delays are costly and flooring repairs must be done without disturbing production. Dencoat™ can provide flooring solutions with rapid curing properties. After only two hours of curing, the surface is ready for further activities.



Ready in no time - to last a lifetime...

Dencoat™ Denpur SL

Self levelling polyurethane floor system

Dencoat™ Denpur SL 3-4 mm is recommended for industrial areas, which are subject to normal traffic. The floor has a high wear resistance, high chemical resistance and medium resistance to shocks. The floor is suitable for dry areas such as laboratories, corridor areas, electronic companies and hospitals, etc.

Appearance

Denpur™ SL is a coloured smooth floor.

Life Expectancy

10 - 15 years.

Application

To provide a light to medium duty floor finish with high temperature and chemical resistance. Typical uses are ordinary industrial environments such as laboratories,

electronic companies, hospitals and normal dry process areas.

Application conditions

Temperature 10°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Denpur™ SL is resistant to temperature cycles up to 90°C dry heat and 80°C. wet heat.

Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

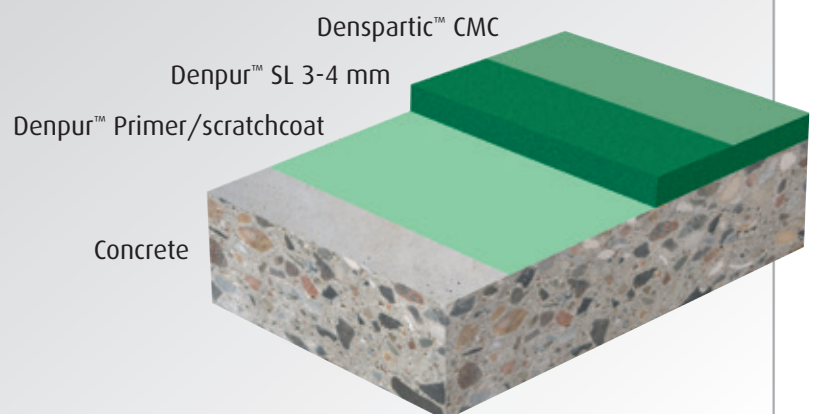
Colours

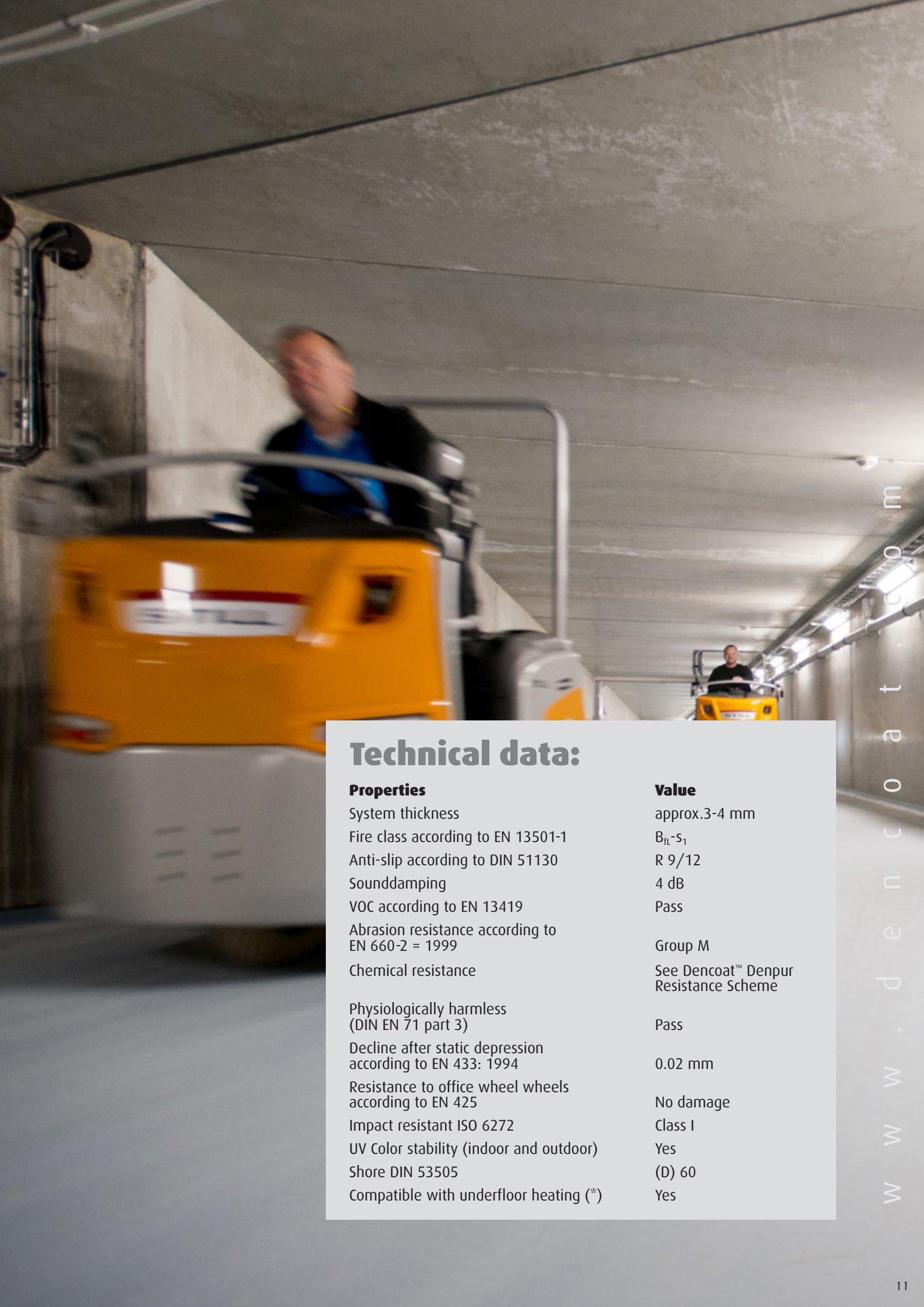
See standard shades available in "Colour" range at page 23.

BENEFITS

- Excellent chemical resistance
- Resist 80°C water temperatures
- High abrasion resistance
- Seamless and hygienic finish
- Easy to clean and sterilise
- Low maintenance cost
- Low odour during installation

SYSTEM BUILD UP





Technical data:

Properties

System thickness
Fire class according to EN 13501-1
Anti-slip according to DIN 51130
Sounddamping
VOC according to EN 13419
Abrasion resistance according to EN 660-2 = 1999
Chemical resistance

Physiologically harmless (DIN EN 71 part 3)
Decline after static depression according to EN 433: 1994
Resistance to office wheel wheels according to EN 425
Impact resistant ISO 6272
UV Color stability (indoor and outdoor)
Shore DIN 53505
Compatible with underfloor heating (*)

Value

approx.3-4 mm
B_{fl}-s₁
R 9/12
4 dB
Pass

Group M
See Dencoat™ Denpur Resistance Scheme

Pass

0.02 mm

No damage
Class I
Yes
(D) 60
Yes

Dencoat™ Denpur SL

Soft self levelling polyurethane floor system

Dencoat™ Denpur SL Comfort 6-7 mm is recommended for industrial areas, which are subject to intense traffic. The floor is chock and sound absorbing, and is therefore suitable for dry areas as laboratories, corridor areas, electronic companies and hospitals, where sounddamping properties are required.

Appearance

Denpur™ SL Comfort is a coloured smooth floor.

Life Expectancy

10 - 15 years.

Application

To provide a heavy duty floor finish with high temperature and chemical resistance. Typical uses are ordinary industrial

enviroments such as laboratories, electronic companies, hospitals and normal dry process areas.

Application conditions

Temperature 10°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Denpur™ SL Comfort is resistant

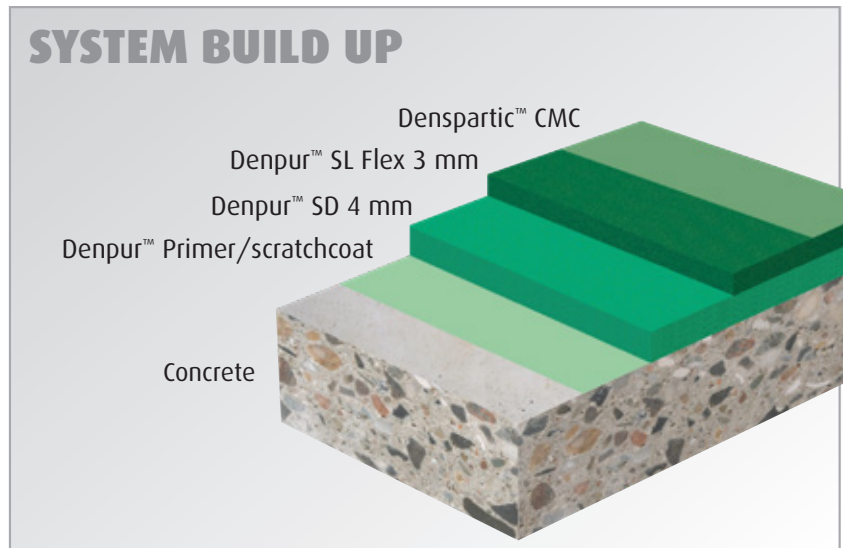
to temperature cycles up to 90°C dry heat and 80°C. wet heat. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Colours

See standard shades available in "Colour" range at page 23.

BENEFITS

- Noise and shock absorbing
- Excellent chemical resistance
- Resist 80°C water temperatures
- High abrasion resistance
- Seamless and hygienic finish
- Easy to clean and sterilise
- Low maintenance cost
- Low odour during installation.



w w w . d e n c o a t . c o m

Comfort



Technical data:

Properties

System thickness
Fire class according to EN 13501-1
Anti-slip according to DIN 51130
Sounddamping
VOC according to EN 13419
Abrasion resistance according to EN 660-2 = 1999
Chemical resistance

Physiologically harmless (DIN EN 71 part 3)
Decline after static depression according to EN 433: 1994
Resistance to office wheel wheels according to EN 425
Impact resistant ISO 6272
UV Color stability (indoor and outdoor)
Shore DIN 53505
Compatible with underfloor heating (*)

Value

Approx.6-7 mm
B_{fl}-s₁
R 10
17 dB
Pass

Group P
See Dencoat™ Denpur Resistance Scheme

Pass
0.06 mm
No damage
Class I
Yes
(A) 80
Yes

w w w . d e n c o a t . c o m

Dencoat™ Denpur SL

Soft self levelling polyurethane sports floor

Dencoat™ Denpur SL Comfort LM 8-10 mm is a combi-elastic sports floor system with excellent bounce and comfort due to the soft and resilient liquid PU membrane. The floor offers very high comfort and safety level and is very durable and capable to withstand high mechanical stress. The floor is therefore recommended for sports facilities, schools, dance halls, playgrounds and fitness centers and other areas where chock and sound absorbing properties are required.

Appearance

Denpur™ SL Comfort LM is a coloured smooth floor.

Life Expectancy

10 - 15 years.

Application

To provide a combi-elastic sports floor with high comfort and safety level. Typical uses are sports facilities, schools, dance halls,

playgrounds and fitness centers.

Application conditions

Temperature 10°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Denpur™ SL Comfort LM is resistant to temperature cycles up to 90°C dry heat and 80°C.

wet heat. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

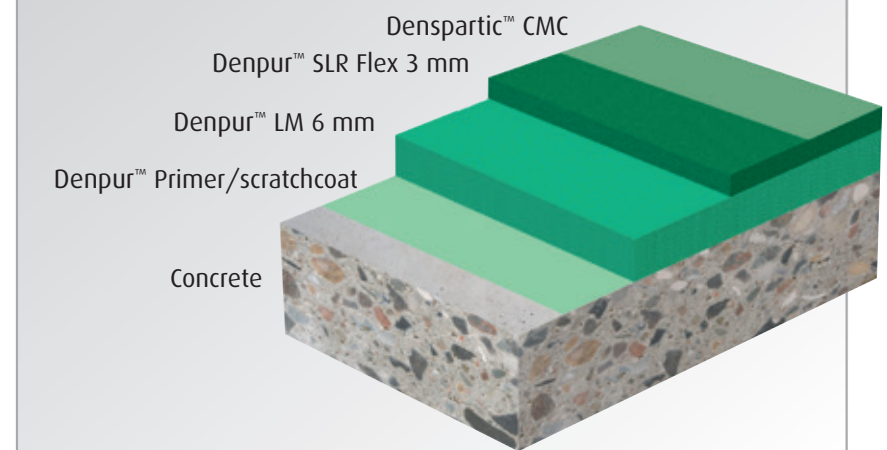
Colours

See standard shades available in "Colour" range at page 23.

BENEFITS

- Noise and shock absorbing
- Excellent chemical resistance
- Resist 80°C water temperatures
- High abrasion resistance
- Seamless and hygienic finish
- Easy to clean and sterilise
- Low maintenance cost
- Low odour during installation.

SYSTEM BUILD UP



w w w . d e n c o a t . c o m

Comfort LM

Technical data:

Properties

Properties	Value
System thickness	approx.8-10 mm
Fire class according to EN 13501-1	B _{fl} -s ₁
Anti-slip according to DIN 51130	R 10
Soundproofing	20 dB
VOC according to EN 13419	Pass
Abrasion resistance according to EN 660-2 = 1999	Group P
Chemical resistance	See Dencoat™ Denpur Resistance Scheme
Physiologically harmless (DIN EN 71 part 3)	Pass
Decline after static depression according to EN 433: 1994	0.08 mm
Resistance to office wheel wheels according to EN 425	No damage
Impact resistant ISO 6272	Class I
UV Color stability (indoor and outdoor)	Yes
Shore DIN 53505	(A) 80
Compatible with underfloor heating (*)	Yes

Dencoat™ Denpur SL

Very soft self levelling polyurethane sports floor

Dencoat™ Denpur SL Comfort REG 8-10 mm is a very soft combi-elastic sports floor system with excellent bounce and comfort due to the thick rubber matt. The floor offers very high comfort and safety level and is very durable and capable to withstand high mechanical stress. The floor is therefore recommended for sports facilities, schools, dance halls, playgrounds and fitness centers and other areas where chock and sound absorbing properties are required.

Appearance

Denpur™ SL Comfort REG is a coloured smooth floor.

Life Expectancy

10 - 15 years.

Application

To provide a combi-elastic sports floor with high comfort and safety level. Typical uses are sports facilities, schools, dance halls,

playgrounds and fitness centers.

Application conditions

Temperature 10°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Denpur™ SL Comfort REG is resistant to temperature cycles up to 90°C dry heat and 80°C.

wet heat. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

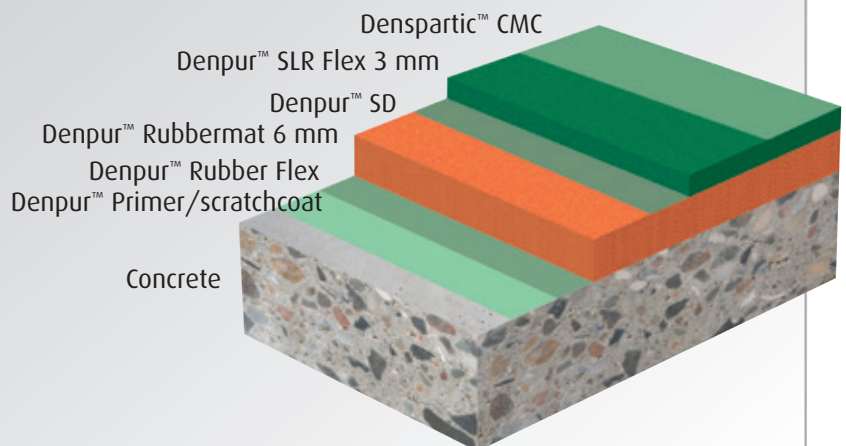
Colours

See standard shades available in "Colour" range at page 23.

BENEFITS

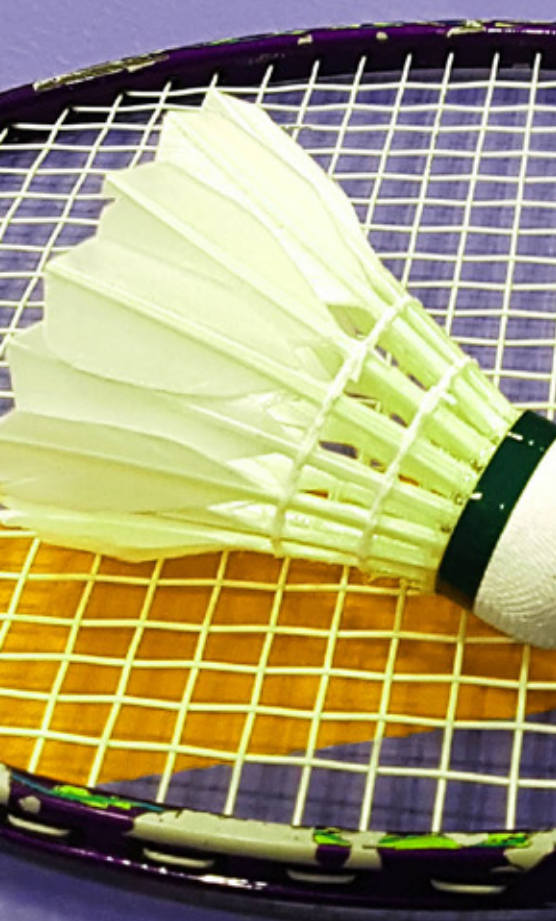
- Noise and shock absorbing
- Excellent chemical resistance
- Resist 80°C water temperatures
- High abrasion resistance
- Seamless and hygienic finish
- Easy to clean and sterilise
- Low maintenance cost
- Low odour during installation

SYSTEM BUILD UP



w w w . d e n c o a t . c o m

Comfort REG



Technical data:

Properties

System thickness
Fire class according to EN 13501-1
Anti-slip according to DIN 51130
Soundproofing
VOC according to EN 13419
Abrasion resistance according to EN 660-2 = 1999
Chemical resistance

Physiologically harmless (DIN EN 71 part 3)
Decline after static depression according to EN 433: 1994
Resistance to office wheel wheels according to EN 425
Impact resistant ISO 6272
UV Color stability (indoor and outdoor)
Shore DIN 53505
Compatible with underfloor heating (*)

Value

approx. 8-10 mm
B_{fl}-s₁
R 10
20 dB
Pass

Group P
See Dencoat™ Denpur Resistance Scheme

Pass

0.08 mm

No damage
Class I
Yes
(A) 80
Yes

"Dencoat™ Denpur Comfort **scores** **straight A's** in school"

Bertil Bue Brorfelde,
Technical Services Manager,
Klostermark School in Roskilde.





The Klostermark School in Roskilde was designed by Henning Larsen in 1960 and welcomed its first students in 1963. Although both the adults and the students have taken good care of their beautiful school, the passing of time still ravaged the concrete and roof hanging. The school was subsequently renovated, and by 2015 the buildings were once again ready to host its students after a thorough rebuilding, where the floors were naturally renewed.

The school area is approximately 8,000 m². Linoleum was chosen for one half and Denpur™ Denpur SL Comfort on the remaining 4,000 m². Today - already 2½ years after - there are clear differences in how the two floor types have met the challenges that the school's nearly 700 students expose them to on a daily basis.

No joints - no problems

Klostermark School has its challenges with the linoleum floors that can hardly withstand the tough tests that students expose them to every day. As Bertil Bue Brorfelde, a technical service manager at the school, says, one of the problems is that the joints of the linoleum open. Then, dirt and bugs get in them, and the joints release from the ground. For that same reason, 1,200 meters of flooring adhesive has just been replaced.

- That doesn't happen with the Dencoat™ floor, which is a joint free floor that is laid out as one homogenous surface. Given the opportunity to choose today, we would undoubtedly choose Dencoat's Comfort floors for the whole school, says Bertil Bue Brorfelde.

Long live the PUR floors

Based on the condition of Klostermark School's linoleum floors, 2½ years after they are laid, Bertil Bue Brorfelde estimates that the school's linoleum flooring has a life span of 15 years.

- Being a school floor is a tough thing. No one really cares about how

they treat them, and they really do take a beating every day - especially in the winter when the students come directly from the outside wearing big boots with sand and gravel on the soles.

- In this regard, Dencoat™ Comfort Floors actually still seem new, with very few signs of wear that one must look out for to actually notice. So I estimate that these floors have about twice as long a life expectancy, that is, about 30 years. Bertil Bue Brorfelde further explains that the Dencoat™ floors are also resistant when various heavy things are pushed around on them. These may include table tennis tables or mobile walls.

Endures maintenance and cleaning every day

The cleaning of a school is intensive. There are many children and many feet in a school, and there is no going easy. Here too, the two floor types perform very differently. During the winter season cleaning is especially intensive. The children trample directly through in shoes and boots covered in snow, and the soles

leave salt and gravel. This leaves marks when the water evaporates. The Dencoat™ floors can be immediately dried with a mop that pushes away dirt and salt grains but the linoleum floors are harder to get clean.

- The dirt almost seems to stick to them, says Bertil Bue Brorfelde.

Comfortable and silencing floors

Everyone knows that there is quite a lot of noise in a school - especially in the hallways. Here too, Dencoat™ is best in class.

- You can clearly sense the different acoustic in the floors that are coated with Dencoat™ Comfort. They seem soft and the sound is dampened; there's not the same amount of noise when the students fill the hallways.
- All in all, I have nothing but praise for Dencoat™ Denpur floors in school settings. Without reservation, I will give the floors well-deserved A's in all disciplines, concludes Bertil Bue Brorfelde from the Klostermark School.





www.dencocoriat.com

From soil to oil...

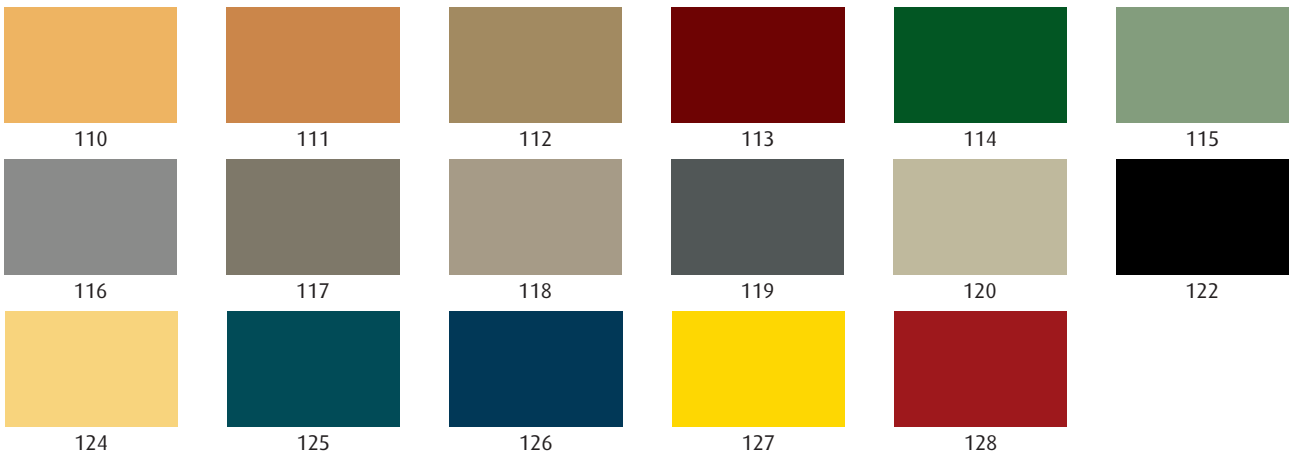
The raw material for Dencoat™ Denpur Comfort floors consists of plant oil extracted from Castor oil. The oil is processed at our own factory in Denmark and subsequently converted to bio polyol, considered to be the most environmentally friendly flooring material on the market. All our

products are of course both REACH and CE certified, and in cooperation with Dencoat™ approved floor applicators we guarantee that you achieve a floor covering with the highest comfort and maximum wear resistance. Quite naturally!

w w w . d e n c o a t . c o m

TRÄNINGSKÖKKEN

COLOUR



For more colors please see separate color chart.

PRODUCT

DENPUR™ LVP

2-component, low viscosity PU primer

10 kg set

DENPUR™ SD

2-component, solvent-free, low VOC, soundproofing, elastic self levelling polyurethane

20 kg set

DENPUR™ LM

2-component, solvent-free, liquid polyurethane rubber mat

19.5 kg set

DENPUR™ SLR

2-component, solvent-free, very low VOC, resiliently self levelling polyurethane

23.5 kg set

DENPUR™ SLR Flex

2-component, solvent-free, flexible, low VOC self levelling polyurethane

23.5 kg set

DENPUR™ SLR Flex - UV

2-component, solvent-free, low VOC, UV stable self levelling polyurethane

23.5 kg set

DENPUR™ MC

2-component, low VOC, UV stable, transparent, polyaspartic topcoat

9.5 kg set

DENPUR™ CMC

2-component, low VOC, UV stable, colored, polyurethane topcoat

12 kg set

DENPUR™ Rubberflex

2-component, solvent-free, polyurethane liner for rubber mats

20 kg set

DENPUR™ Rubbermatt 4 mm

Rubber mat for Denpur™ Comfort

DENPUR™ Rubbermatt 6 mm

Rubber mat for Denpur™ Comfort



Dencoat Aps

EN 13813 SR-B1,5-AR1-IR4

Synthetic resin screed for internal uses

Fire behavior: B_fS₁

Release of corrosive substances: SR

Water permeability: NPD

Wear resistance: AR1

Bond strength: B1,5

Impact resistance: IR4

Impact sound insulation: NPD

Sound absorption: NPD

Heat insulation: NPD

Our latest general terms and conditions of sale and delivery are valid.

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