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A photograph of two elderly men sitting on a brown patterned sofa in a bright, modern living room. They are both smiling and holding playing cards, suggesting a game of cards. The room features large windows with blue frames and white blinds, a wooden coffee table with a vase of red flowers, and a wooden cabinet in the background. The floor is covered in a light brown, textured rubber flooring. Large, semi-transparent white letters 'B', 'O', 'R', and 'E' are overlaid on the left side of the image.

Cosiness, safety and comfort around the clock

nora[®] floor coverings
made of rubber for nursing homes

nora[®]

All About Flooring. **All About You.**



**Two getting along well:
nora and our environment**



Integral solutions are our speciality

Apart from a cosy environment, a design orientated to the needs of geriatric residents or residents with dementia is growing in importance. The demands on safety and comfort around the clock but also on hygiene and economy are ever-increasing. These are decisive criteria when it comes to selecting materials, surfaces, and colours.

Ideal for old people's homes and nursing homes

For the implementation of integral concepts, the selection of optimal material is a decisive factor for the well-being of the residents. This also contributes to the success of the old people's and nursing homes. Thanks to the characteristic properties of rubber, nora floor coverings are the ideal solution for use in buildings suitable for the elderly: apart from a comprehensive colour range of attractive, cosy designs, they offer extraordinary fire safety, perfect hygienic properties, and increase the safety in case of a fall.

nora® floor coverings are characterised by an above-average wear resistance. Even after long years of use, they are still in an excellent condition and thanks to their long life contribute to conserving the value of the property. Another asset: Thanks to their extremely dense surface, **nora**® floor coverings can be cleaned throughout their life doing without any coating systems.

nora® is sustainable

Preserving or even improving the present living and environmental conditions means sustainability. Dealing with nature and its resources with consideration is one of the bases of the **nora** corporate culture. **nora**® floor coverings do not contain any PVC, plasticizers (phthalates) or halogens (e.g. chlorine).

These extraordinarily high demands **nora**® products make on environmental compatibility were confirmed by numerous independent institutions: **nora**® floor coverings were the first resilient floor coverings to be awarded the eco-label "Blue Angel" (UZ 120, because low-emission). This plays an important role for indoor air, especially in old people's and nursing home where the residents spend a lot of time indoors.



Certification to ISO 9001



Day and night

on safe ground

The ever-increasing number of geriatric residents suffering from dementia increases the demands on safety and care. New standards are set and also make extreme demands on floor coverings: they are to meet hygienic, safety-technical and economic criteria and must support spatial orientation.

For a better orientation

The creation of a protective environment is supported by the comprehensive **nora**[®] product range comprising more than 300 colours and graded colour groups. This facilitates the colour delimitation of different residential areas and contributes to a better orientation of residents suffering from dementia. Floor coverings with light-reflecting surfaces also prevent the dreaded "psychic slipperiness" as is the case with high-gloss floor coverings.

Perfect for an integral design concept

The NCS coding of the **nora**[®] colours in addition makes the implementation of integral colour and room concepts easy. All **nora**[®] standard colours are determined colour-metrically and always refer to the closest colour code of the colour published in the NCS index. **nora** thus promotes the colour design approach "**Colour into your home**" of the Kuratorium Deutsche Altershilfe.

Well-being is also linked with acoustics

High noise levels are unpleasant stress factors. A resilient **nora**[®] floor covering reduces both the sound emission in the room and also in the room below and thus contributes to a pleasant, quiet atmosphere in the home. The **noraplan**[®] **acoustic** floor coverings with their thickness of 4mm may even reduce walking noise by up to 20 dB.



**Your guardian angel
is working around
the clock:
noraplan® signa**



Optimal precautions for the worst case

Risk of fire is a highly sensitive issue in all buildings where residents with limited physical or mental mobility live. Thus, very high demands are made on floor coverings for old people's and nursing homes. The decisive keywords in this respect are: Flammability of the material and combustion gases.

Fire safety

nora® floor coverings meet the common requirements on fire safety and, apart from a few function-related exceptions, are **flame-retardant** according to EN 13 501, Part 1, or DIN 4102.

No burn marks

The resistance to cigarette burns of **nora**® floor coverings is an asset, specifically in day rooms and smoking areas.

Protection against health-damaging gases

nora® rubber floor coverings do not contain any PVC and halogens (e.g. chlorine). In case of fire, no hydrochloric gas is released which might lead to caustic burns of the respiratory tract. The absence of halogens also means that no toxic, halogenated dioxins and furans are released by **nora**® floor coverings in case of fire.

For a part of the floor coverings, the gasses released in a fire are classified as fire-toxicologically safe according to DIN 53 436. Special fire-protection grades can be used in areas where non-inflammable materials are required, with the approval of the local fire safety authorities.



PVC



Linoleum

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noraplan®



**For small pleasures
not to end in a disaster:
noraplan® mega**



**4 mm which provide safety –
noraplan® acoustic reduces
impact forces**

nora[®] increases the anti-slip safety and reduces the consequences of falls

Elderly people are often unstable afoot and fear to slip. Despite numerous prophylactic measures, falls cannot always be avoided. With **nora[®]** floor coverings, safety in the environments of the home can be significantly improved - providing a sense of security.

Slip resistance

All **nora[®]** floor coverings meet the **anti-slip property class R9** according to the directive BGR 181 or GUV-R 181. For areas with specifically high demands on slip resistance, we also offer grades of the classes R10 and even R11.

Mitigation of fall consequences

Nevertheless, falls tend to occur which result in injuries such as for example femoral neck fractures. The fall consequences and the related pains, limitations and costs can be reduced by using a resilient and highly-dampening floor covering.

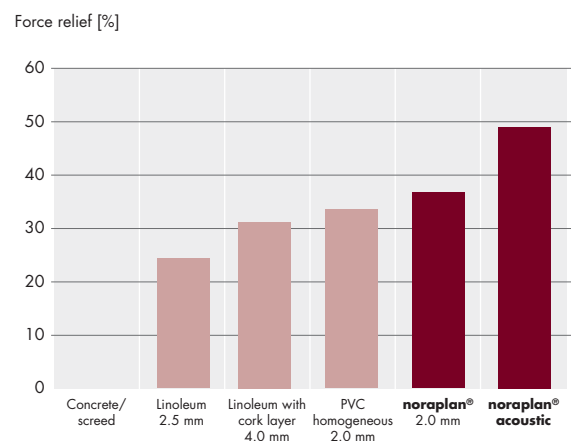
The 4 mm thick **noraplan[®] acoustic** floor coverings reduce the impact forces which are created in case of a fall. As compared to other floor coverings, they reduce forces best by almost 50%, i.e. the impact when falling on the hip can be mitigated by almost half. Apart from improving the safety in the environment, **noraplan[®] acoustic** also offers an excellent footfall sound absorption.

Ergonomic properties

Last but not least, walking comfort is of utmost importance both for the geriatric residents and the staff because hard floors stress foot, knee and hip joints very much.

The permanently resilient properties of **nora[®]** floor coverings have a positive effect on the ergonomic behaviour.

Force relief of various floor coverings



Fall test to simulate the forces acting on the hip
(mass: 10 kg, fall height: 50cm)

nora[®] means hygiene with a system

Limited competences of elderly and ill geriatric residents require special hygiene measures. Dense material surfaces, which do not require any coatings permanently, offer optimal hygienic properties and facilitate cleaning.

Easy cleaning – permanently without coating

nora[®] floor coverings have the densest surface of all resilient floor coverings thanks to their special production technology «**nora cleanguard**[®]». Other types of floor coverings are often coated because of their open pores which require both cost- and labour-intensive basic cleaning and result in interference with organisational tasks.

Resistant to urine and surface disinfectants

nora[®] floor coverings are provably very resistant to surface disinfectants listed in the disinfection lists of VAH (list of the disinfectant commission of the Association for Applied Hygiene) and RKI (Robert-Koch Institute).

The extremely dense and closed floor covering surfaces prevent that liquids penetrate into the floor covering. The floor coverings are resistant to urine, iodine-containing disinfectants and blood. Thus, frequent disinfections, for example because of MRSA, pose no problem to **nora**[®] floor coverings.

Hygienic without joint sealing

nora[®] floor coverings are absolutely dimensionally stable when installed because they do not contain any plasticizers which diffuse to the outside and result in volume loss. Time- and cost-intensive joint sealings thus become superfluous, with the exception of very few function-related cases.

Hygiene with a system – comprehensive range of accessories

The comprehensive accessories range offers hygienic solutions down to the last detail. It includes hygienic stringers with cushioned-edged skirtings and prefabricated interior and exterior angles. For the wall area, an impact-resistant and shock-proof margin guards is available as corner profile.





Well-being is one element
of nora's concept –
For example with
norament® 926 strada

Ask us for our hospital brochure.

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