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HEWI

Marketing + Innovation

HEWI Heinrich Wilke GmbH

PO Box 1260

D-34442 Bad Arolsen

Phone: +49 5691 82-0

presse@hewi.de

www.hewi.com

Nicolo Martin

Phone: +49 5691 82-106

nmartin@hewi.de

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Design of patient rooms reduces infections

Since 2016, the team has been investigating the effects of architecture on the hygiene and recovery of hospital patients in the KARMIN project (Hospital, Architecture, Microbiome and Infection). Based on the investigations, a model patient room was developed in 2020 which minimises the risk of infection for patients. In the sanitary area, solutions from HEWI ensure greater hygiene and a reduced risk of infection in hospitals.

Architects from the Technical University of Braunschweig, together with molecular biologists and physicians from the Charité Berlin, have investigated the influence of the interior design of patient rooms on the risk of infection by hospital germs.

The results show, among other things, that even with good cleaning intervals, handrails, door handles or sanitary facilities are fertile ground for a large number of pathogens, so that the risk of infection increases as a result. High-quality materials, hygienic processing techniques and innovative functions can effectively support hygiene and significantly reduce the risk of infection.

HEWI solutions offer optimum hygiene in the KARMIN patient bathroom

The choice of materials has a decisive influence on the design of hygienic sanitary products at HEWI. In this way the development team ensures that products have as few connection and joint points as possible where dirt and water can collect. This is of particular importance for washbasins or in the shower.

**Washbasin with surge edge**

Washbasins with a surge edge offer barrier-free convenience and hygienic advantages. Like all HEWI washbasins, they have no overflow in which germs could collect. They also have a surge edge which prevents water from standing on the silicone joint to the wall.

**Folding support handle with flush release**

A low number of components facilitates cleaning and increases hygiene. Due to the integration of functions, product surfaces are created with few joints. This makes the surfaces particularly easy to clean. In the case of the folding support handle, for example, the flush release and the function button are inserted flush.

**Hygienic solutions at the WC**

The toilet brush set and the toilet paper holder from System 900 are made of high-quality materials. Stainless steel has a non-porous and therefore particularly hygienic surface. Minimal care is sufficient to prevent the accumulation of dirt or microorganisms. The material is robust and insensitive to scratches. Stainless steel products are extremely resistant to cleaning agents and disinfectants. For optimal cleaning, the inner container is removable.

**Hygiene solutions in the shower**

Hygiene is a decisive factor for use in the hospital sector. System 900 angled handles and shower handrails are made from as few components as possible, so that there are only an extremely small number of joints. Due to particularly precise manufacturing, components are joined together in such a way that the surface is as smooth and hygienic as possible.

**Hygienic sealing element**

The shower seats are characterised by a hygienic surface that is easy to clean. Due to wall unevenness, the fixing rosette is often not completely flush with the wall. With the help of sealing elements, a quick and reliable seal can be achieved. The wall brackets of the shower seats, the folding support rails and the fixing rosettes of the System 900 grab rails can be fitted with it. The design of the products ensures that water does not collect on the surface but runs off.

HEWI | Professional Care

Making people's lives easier - with individually adaptable concepts that enable independence and provide security - is what drives us. Universal Design incorporates the needs of all people. We have been living this ideal for more than 35 years as a sustainable and holistic design philosophy.

The modular principle allows individual planning - so optional service areas or comfort wards can be implemented just as easily as areas for regular patients. A well-designed bathroom contributes to the well-being of the patients and at the same time relieves the nursing staff. HEWI offers complete solutions, innovative installation concepts and support in planning and equipping barrier-free bathrooms, access points and doors in healthcare buildings.