

Location: Immanuel Krankenhaus Berlin, location Buch
 Area: Patient room, sanitary area
 Object: Floor cleaning – tiles and joints
 Tile type: Safety tile, presumably R9
 Date: 05.03.2025
 Present Persons: Mr. Stefan Drotleff, IGS
 Mr. Ulrich Kröcker, HYSYST®

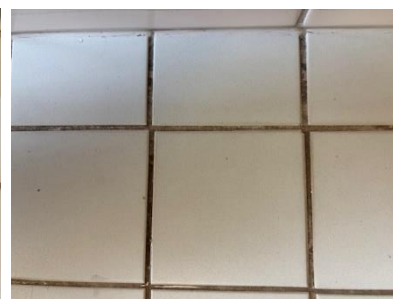
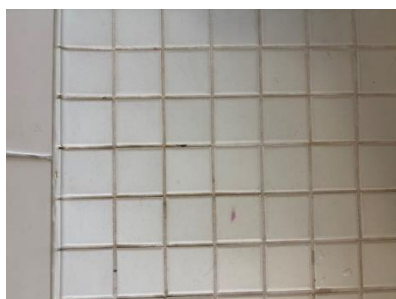
Condition of Surfaces: Build-up of dirt on and in the tiles (fine stoneware) and within the joints
 Type of soiling: Heavy dirt accumulation, dirt embedded in lime and lime soap, residues from floor care products (polymer compounds), partial growth of mold (*Aspergillus niger*) in the joints

Device: medeco cleantec
 Micro Cleaner, steam cleaning device

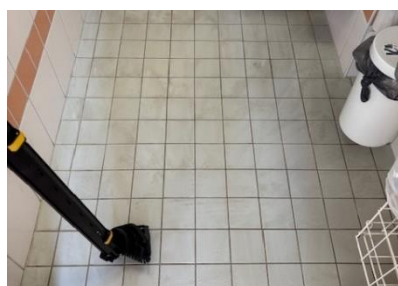
Accessories used: Tiles: Triangular nylon brush
 Joints: Brass bristle brush



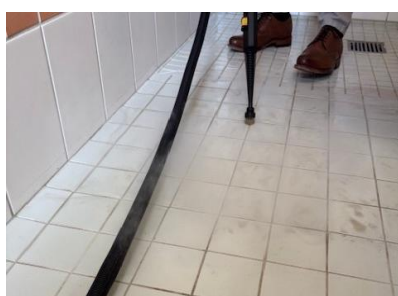
Floor cleaning: Condition before



Floor cleaning: Carrying out tile cleaning

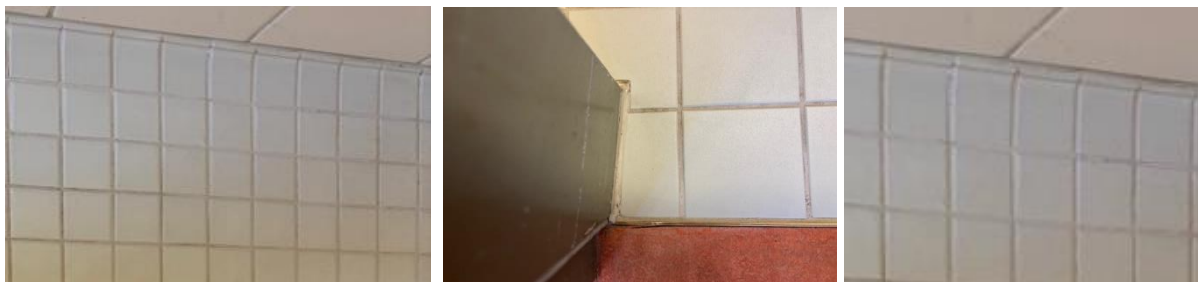


Floor cleaning: Carrying out joint cleaning



Floor cleaning:

Condition after



Conclusion: The floor was restored to a visually and hygienically acceptable condition without the use of chemicals, cleaning solutions, or excessive water.
→ No chemicals used

Compared to scrubber-dryer cleaning, time required was less, with excellent results.
→ Low effort, fast outcome

No need for manual mixing of cleaning solutions (alkaline + acidic), nor for double neutralization of the surface.

→ No need for qualified cleaning staff

→ No risk of joint damage from acidic cleaners

Use of brushes tailored to tile and joint geometry allowed thorough edge and corner cleaning.

→ Comprehensive surface coverage

Mold stains (*Aspergillus niger*) in the joints were completely removed.

→ Previously only removable using risky chlorine-based products

Since micro steam ensures disinfecting-level cleaning, it is assumed that mold was fully eliminated.

This process meets all criteria for an ecological, economical, and hygienic cleaning method.

Due to low effort and moderate noise, the process can even be performed while patients are present.

Use this method for basic cleaning of floors and tile surfaces.

To maintain high standards of hygiene, it is essential to implement microfiber-based cleaning technology for ongoing maintenance.

Please observe the HYSYST® actual/risk analyses for all four locations.

Cleaning trials in Bernau, during the introduction of the HYSYST® HealthCare system, showed the same results.



Ulrich Kröcker, HYSYST® Deutschland GmbH & Co. KG, Lippstadt, 11.03.2025

