

Room Categorization in HC (RakaS) - Table

Room Category	Room type/-naming	Source / Notes on Source	Definition/Specification IFM	Reasons for content-related differentiating
Living and Residing (NUF 1)	-	DIN 277-1:2016	living spaces, common rooms, waiting rooms and dining rooms	-
	1.1 living spaces	DIN 277-2:2005	living rooms and bedrooms in apartments, accommodations and employee apartments incl. eat-in kitchens, balconies, porches belonging to accommodation unit; on-call rooms	-
	1.1.1 accommodation rooms	DIN 277-1:2016	rooms of patient or guest hotels incl. eat-in kitchens, balconies, porches belonging to accommodation unit; on-call rooms	-
	1.1.2 staff apartments	Project	rooms of employee apartments incl. eat-in kitchens, balconies, porches belonging to accommodation unit; on-call rooms	-
	1.1.3 on-call rooms	Project	on-call rooms for employees with washrooms and beds	Only temporary use vs. permanent use in residential rooms
	1.2/1.3 common rooms, break rooms	Project, DIN277-1:2016, DIN 277-2:2005	common rooms, day rooms, break rooms, quiet rooms incl. adjacent balconies and terraces	-
	1.2/1.3.1 common rooms, break rooms	Project, DIN277-1:2016, DIN 277-2:2005	common rooms, day rooms, break rooms, quiet rooms incl. adjacent balconies	Inside rooms have a different standard of maintenance and cleaning to outside areas
	1.2/1.3.2 terrace without furnishings	Project	terraces with furnishings (fixed or mobile)	Outside areas have a different standard for maintenance and cleaning to inside rooms
	1.2/1.3.3 terrace with furnishings	Project	terraces with furnishings (fixed or mobile)	Outside areas have a different standard for maintenance and cleaning to inside rooms; furniture causes more cost for handling, cleaning and maintenance
	1.4 waiting rooms	DIN 277-2:2005	waiting rooms for patients for examination/therapy	-
	1.5 dining rooms	DIN 277-2:2005	dining rooms and cafeterias for patients, employees and guests	-
	1.5.1 public cafeterias, restaurants	Project, DIN 277-2:2005	cafeterias and restaurants publicly accessible, served or self-service	Have longer opening hours and more extensive infrastructure compared to staff restaurant
	1.5.2 staff restaurant	Project	Restaurants for staff only, served or self-service, open only during peak periods, less extensive infrastructure compared to public restaurant	Have shorter opening hours and less extensive infrastructure compared to public restaurants and cafeterias
	1.5.3 dining rooms for patients	Project	dining rooms for patients, in the wards	-
	1.6 detention rooms	DIN 277-2:2005	n/a	(see 6.7.2 bedrooms with general equipment (24h) with high safety requirements)
Office work (NUF 2)	-	DIN 277-1:2016	offices, meeting rooms, counter rooms and office technology rooms	-
	2.1 offices / 2.2 open-plan offices	DIN 277-2:2005	offices incl. reception and registration	-
	2.1.1 offices	Project, DIN 277-2:2005	offices for one or more people	-
	2.1.2 reception areas	Project	receptions in main building, representative, open	Need to be representative, are publicly accessible, are highly frequented and therefore higher maintenance and hygiene requirements
	2.1.3 registration counters	Project	usually one counter for registration, can be located in other places than the main entrance, closed counter	Are an extended office with a counter, less frequented than the main entrance but higher hygiene standards than a regular office
	2.3 meeting rooms	DIN 277-2:2005	meeting rooms (only administration, projects; no patient meeting rooms)	-
	2.4 design offices	DIN 277-2:2005	n/a	-
	2.5 cashier's office	DIN 277-2:2005	internal cash dispensing	More safety & security than a regular office
	2.6 control room	DIN 277-2:2005	n/a (s. 7.6 ff.)	-
	2.7 surveillance rooms	DIN 277-2:2005	n/a	-
	2.8 office technology rooms /equipment rooms	DIN 277-2:2005	rooms for coordination, control, reproduction and disposal of paper documents	-
	2.9 other offices	DIN 277-2:2005	n/a	-
Production, Manual work and Machine work, Research and Development (NUF 3)	-	DIN 277-1:2016	shops, laboratories, rooms for animal husbandry and plant cultivation, kitchens and special work rooms	-
	3.1 manufacturing halls	DIN 277-2:2005	n/a	-
	3.2 workshops	DIN 277-2:2005	shops for repair, teaching and research, test benches, maintenance stations	-

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	3.3/3.4/3.5 labs.: technological, physical-technological, electrical, chemical, bacteriological, morphologicl.	In DIN 277-2:2005 seperately, as of DIN 277-2:2016 possible together	material test laboratories, material processing laboratories, labratories for mechanical technology, machine laboratories, light and switch technological laboratories, fluid mechanics rooms, high pressure and vaccum laboratories / physics laboratories, electrotechnical laboratories, electronic laboratories, rooms for geodetic and astronomic measurement and surveillance, specialized optical laboratories, rooms for measuring instruments, rooms for weighing, electron microscopy laboratories, mass spectroscopy, x-ray spectroscopy, accelerator and reactor rooms / laboratories for chemical and preparative chemistry, laboratories for chemical and pharmaceutical technology, biochemical, physiological laboratories, laboratories for biological and medical morphology, animal experimental laboratories: isotope laboratories with decontamination, rooms for chromatography, incubators and breeding facilities, rooms for sterile preparation and rooms for sterile preparation of hazardous substances (cytostatic agents)	-
	3.6 rooms for animal husbandry	DIN 277-2:2005	stables for therapy animals, feed processing	-
	3.7 rooms for plant cultivation	DIN 277-2:2005	greenhouses	-
	3.7.1 rooms for plant cultivation therapeutic	Project	greenhouses for therapeutic measurements	-
	3.7.2 rooms for plant cultivation commercial	Project	greenhouses for commercial application	-
	3.8 kitchens	DIN 277-2:2005	production kitchen incl. return and dish-washing, self-catering kitchens and tea kitchens	-
	3.8.1 production kitchens	DIN 277-2:2005	kitchens for the production of food for patients, staff and guests	-
	3.8.2 return, dishwashing	DIN 277-2:2005	return points of trays with dishes, disposal of leftovers and garbage, dish cleaning	-
	3.8.3 self-catering kitchens	DIN 277-2:2005	kitchens in employee houses, common rooms etc.	-
	3.8.4 tea kitchens	DIN 277-2:2005	on wards, no preparation of dishes, only heating and storing, kettle, coffee machine, fridge	-
	3.9 rooms for special works	DIN 277-2:2005	rooms for laundry services, sterilisation, bed preparation and soiled utility rooms	-
	3.9.1 laundry rooms	Project, DIN 277-2:2005	laundry services and laundry rooms	-
	3.9.1a laundry (main operation)	Project	rooms for provision, cleaning and care of patient, employee and private laundry	-
	3.9.1b laundry rooms (employee accommodations)	Project	laundry rooms in employee accommodations	-
	3.9.2 sterilisations	Project, DIN 277-2:2005	rooms for processing sterile medical products	-
	3.9.3 bed preparation	Project, DIN 277-2:2005	rooms for bed processing	-
	3.9.4 soiled utility room	Project	room with dirty laundry bags, bedpan cleaning/potting machine, water supply and washing trough	-
Storing, Distributing and Selling (NUF 4)	-	DIN 277-1:2016	storage rooms, archives, cold stores, rooms for acceptance and output, salesrooms and strong rooms	-
	4.1 storage / issuing rooms	DIN 277-2:2005, DIN 277-1:2016	warehouses for pharmaceuticals, foods, materials and equipment	-
	4.1.1 pharmaceutical warehouses	Project	pharmaceutical warehouses incl. issuing points	Have higher hygiene and safety & security requirements than a general warehouse
	4.1.2 food warehouses	Project	warehouses for packed food and beverages (not cooled)/Economat incl. issuing points	Have higher hygiene requirements than a warehouse
	4.1.3 wine cellar	Project	warehouse for wines incl. issuing points	Needs more security than general food and beverage storage area
	4.1.4 material stores	Project, DIN 277-2:2005	warehouses for all materials except pharmaceuticals, foods and equipment incl. issuing points	-
	4.1.5 equipment stores	Project, DIN 277-2:2005	warehouses for medical technology and general equipment incl. issuing points	Need higher security than general warehouse, have no or little shelves compared to general warehouse

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	4.1.6 linen stores	Project	warehouse for linen/professional linen incl. issuing point	Specific subject area
	4.2 archives, accumulation rooms	DIN 277-2:2005	rooms for documents of all kinds and teaching materials	-
	4.3 cold stores	DIN 277-2:2005	freezer, fridges, cold stores (walk-in)	-
	4.3.1 cold stores medical	Project	cold stores for medical products and hazardous substances	Require higher temperature, energy, safety, security and hygiene requirements than general cold-storage rooms
	4.3.2 cold stores non-medical	Project	cold stores for non-medical products	Require less temperature, energy, safety, security and hygiene requirements than medical cold-storage rooms
	4.4 rooms for acceptance packing and output	DIN 277-2:2005, DIN 277-1:2016	rooms for sorting and distributing goods and mail, disposal rooms	-
	4.4.1 goods receiving department	Project	rooms for receiving goods	-
	4.4.2 mailrooms	Project	rooms for sorting and distributing mail	-
	4.4.3 disposal rooms	Project	rooms for disposal	-
	4.5 salesrooms	DIN 277-2:2005	business premises, shop premises, kiosks, incl. shop windows	-
	4.6 exhibition rooms	DIN 277-2:2005, DIN 277-1:2016	n/a	-
	4.7 strong rooms	DIN 277-2:2005, DIN 277-1:2016	strong rooms for storing cash and valuable objects of patients	Requires higher security and safety aspects than a general storage room
	4.9 other storage rooms	DIN 277-2:2005	n/a -> all defined	-
Education, Teaching and Culture (NUF 5)	-	DIN 277-1:2016	auditorium, seminar rooms, libraries and sacred rooms	-
	5.1/5.2/5.3 classrooms with fixed seating, general classrooms and practice rooms without fixed seating	In DIN 277-2:2005 separately, as of DIN 277-2:2016 possible together	auditorium and lecture hall, seminar rooms, halls and forums	-
	5.4 libraries	DIN 277-2:2005, DIN 277-1:2016	reading rooms, media libraries	-
	5.5 sports rooms	DIN 277-2:2005, DIN 277-1:2016	n/a (see 6.6 rooms for physiotherapy and rehabilitation)	-
	5.6 meeting rooms	DIN 277-2:2005	n/a (see 5.1/5.2/5.3 classrooms with fixed seating, general classrooms and practice rooms without fixed seating)	-
	5.7 stages, studios	DIN 277-2:2005	n/a	-
	5.8 display rooms	DIN 277-2:2005, DIN 277-1:2016	n/a	-
	5.9 sacred rooms	DIN 277-2:2005	oratory and laying out	-
Healing and Caretaking (NUF6)	-	DIN 277-1:2016	rooms for general examination and (first aid treatment, consultation), rooms for special examination and treatment (endoscopy, physiology, dentistry), surgery rooms, delivery room, rooms for radiodiagnostics and radiotherapy, rooms for physiotherapy and rehabilitation, bedrooms, rooms for intensive care	-
	6.1 rooms with general medical equipment for general examination/treatment (med. first aid, consultation)	DIN 277-2:2005, DIN 277-1:2016	rooms for general examination and treatment, first aid, wound care, consultation (medical provision and care), outpatient clinic, autopsy and morgue; equipment: examination couch, conference table, corner with curtains for changing (patients), examination devices	-
	6.2 rooms with special medical equipment/for special examination/treatment (endoscopy, physiology, dental medicine etc.)	DIN 277-2:2005, DIN 277-1:2016	rooms for functional examination (clinical physiology, neuro and sensory physiology) and special treatment	-
	6.3 rooms for surgical procedures, endoscopies and childbirth	DIN 277-2:2005	rooms for surgeries, emergency and accident treatment, incl. induction room and recovery rooms, lavatories for doctors	-

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	6.4/6.5 rooms for radiodiagnostics, rooms for radiotherapy	In DIN 277-2:2005 separately, as of DIN 277-2:2016 possible together	rooms for general and special diagnostic radiology, thermography, nuclear medicine diagnostics (application and measurement rooms)/rooms for conventional radiotherapy, nuclear medical therapy (application and implantation rooms)	-
	6.6 rooms for physiotherapy and rehabilitation	DIN 277-2:2005	rooms for hydrotherapy, movement therapy, electrotherapy and ergotherapy, healing treatments, rooms for therapeutic baths of all kinds, inhalation and climate treatment, massage, play and group therapy, curative education, occupational therapy	-
	6.7 bedrooms with general equipment in hospitals, nursing homes and mental homes	DIN 277-2:2005, DIN 277-1:2016	bedrooms for normal, long-term and easy care of ill, in need of care and psychiatric patients	-
	6.7.1 bedrooms with general equipment (24h, stationary)	Project	rooms for normal, long-term and easy care of ill, in need of care and psychiatric patients (without increased safety requirements), 24h operation	More security and different hygiene aspects to day clinic duty
	6.7.2 bedrooms with general equipment (24h, stationary) with high safety requirements	Project	rooms for normal, long-term and easy care of ill, in need of care and psychiatric patients with increases safety requirements (dementia patients, inmates)	More security aspects generate more and other cost drivers than in 6.7/6.8.1
	6.7.3 bedrooms with general equipment day-care hospital (outpatient)	Project, DIN 277-2:2005	rooms for normal, long-term and easy care of ill, in need of care and psychiatric patients (without increased safety requirements), day-care hospital	Less security and different hygiene aspects than 24h duty
	6.8 bedrooms with special equipment	DIN 277-2:2005	rooms for post-operative surveillance and intensive care (surveillance, treatment), nuclear medicine and dialysis	-
	6.8.1 bedrooms with special equipment for post-operative surveillance, intensive care and nuclear medicine (stationary)	Project	rooms for post-operative surveillance and intensive care (surveillance, treatment) and nuclear medicine	Have more demanding equipment and other cost drivers than outpatient
	6.8.2 bedrooms with special equipment for dialysis (outpatient)	Project	rooms for dialysis	Have less demanding equipment and other cost drivers than stationary
	6.9 other care rooms	DIN 277-2:2005	n/a -> all defined	-
	6.9.1 wards	Project	common room on ward for nurses for meetings, mealtimes, equipment: medicine cabinet, patient files, fridge, 24h operation	-
Other use (NUF 7)	-	DIN 277-1:2016	sanitary rooms, wardrobes, storerooms, parking spaces for cars, rooms for central technique, shelters	-
	7.1 sanitary rooms	DIN 277-2:2005	toilets, showers/bathrooms/saunas and rooms for cleaning materials	-
	7.1.1 toilets	Project, DIN 277-2:2005	toilets	Require different hygiene, have different spacial conditions and thus other cost drivers than showers
	7.1.2 showers/bathrooms/saunas	Project, DIN 277-2:2005	showers, bathrooms and saunas	Require different hygiene, have different spacial conditions and thus other cost drivers than toilets
	7.1.3 cleaning material room	Project	rooms for storing cleaning material	-
	7.2 wardrobes/changing rooms	DIN 277-2:2005	wardrobes and changing rooms	-
	7.2.1 wardrobes	Project, DIN 277-2:2005, DIN 277-1:2016	wardrobes with lockers	Have more sophisticated equipment, different safety requirements and thus other cost drivers than changing rooms
	7.2.2 changing rooms	Project, DIN 277-2:2005	changing rooms without lockers	Have less sophisticated equipment, fewer safety requirements and thus other cost drivers than wardrobes
	7.3 storerooms	DIN 277-2:2005	storerooms, bicycle rooms, waste collection rooms	-
	7.4 parking spaces for vehicles	DIN 277-2:2005	garages of all kinds, halls for cars and agricultural vehicles	-
	7.4.1 operational parking spaces	Project	operational, non-commercial garages of any kind, halls for road and agricultural vehicles	No incomes like commercial garages and parking spaces (cost centre)
	7.4.2 commercial parking spaces/garages	Project	commercial garages and parking spaces	Income from commercial lending (profit center)
	7.5 passenger spaces	DIN 277-2:2005	n/a	-
	7.6 rooms for central technology infrastructure	DIN 277-2:2005	rooms for central technique incl. compressor rooms for compressed air systems, control rooms for medical equipment, control centres	-

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	7.7 shelters	DIN 277-2:2005	rooms for civil protection, although multipurpose buildings are used differently nowadays	-
	7.8 protected operating facilities	Project	protected underground operating facilities for events of war or catastrophies	Specific requirements and financing
	7.9 other rooms	DIN 277-2:2005	n/a -> all defined	-
Operating facilities (FF8)	-	DIN 277-2:2005	rooms for water supply and disposal, gases, electric power supply, telecommunication, interior ventilation systems, elevator and conveyor systems and other technical building systems	-
	8.1 wastewater treatment and disposal, water supply for (medical) gases (except for heating purposes and liquids)	DIN 277-2:2005	rooms for wastewater treatment and disposal, water supply, (medical) gas provision (except for heating purposes and liquids)	-
	8.2 heating and service water heating		rooms for heating and service water heating incl. oil tanks and wood chips bunkers	-
	8.3 interior ventilation systems		rooms for interior ventilation systems incl. cooling supply	-
	8.4 electric power supply		rooms for electric power supply incl. emergency power systems	-
	8.5 telecommunication		rooms for telecommunication	-
	8.6 elevator and conveyor systems		rooms for elevator and conveyor systems	-
	8.9 other technical building systems	DIN 277-2:2005	rooms for other technical building systems	-
	8.9.1 server rooms	Project	rooms for computer servers	-
Traffic access and security (VF9)	-	DIN 277-2:2005	corridors, halls, stairways, lifts, traffic spaces	
	9.1 corridors, halls	DIN 277-2:2005	corridors, foyers, entrances/(air) locks and double door systems	-
	9.1.1 corridors	Project, DIN 277-2:2005	hallways and corridors	-
	9.1.2 foyers	Project	foyers	-
	9.1.3 entrances/(air)locks and double door systems	Project, DIN 277-2:2005	entrances, (air) locks and double door systems	-
	9.2 stairways	DIN 277-2:2005	stairwells, flight of stairs, escalators, ramps (per floor)	-
	9.3 shafts for conveyor systems	DIN 277-2:2005	n/a -> no "rooms"	-
	9.3.1 passenger lifts	Project	cabin of passenger lift as a room	Different hygiene and safety concept to goods lift
	9.3.2 goods lifts	Project	cabin of goods lift as a room	Different hygiene and safety concept to passenger lift
	9.4 traffic spaces	DIN 277-2:2005	passages, access ramps	-
Surrounding outside areas	-	-	-	
	managed surrounding surfaces (hard & green surfaces)	SIA416:2003	-	
	uncultivated surrounding surfaces UUF	SIA416:2003	-	