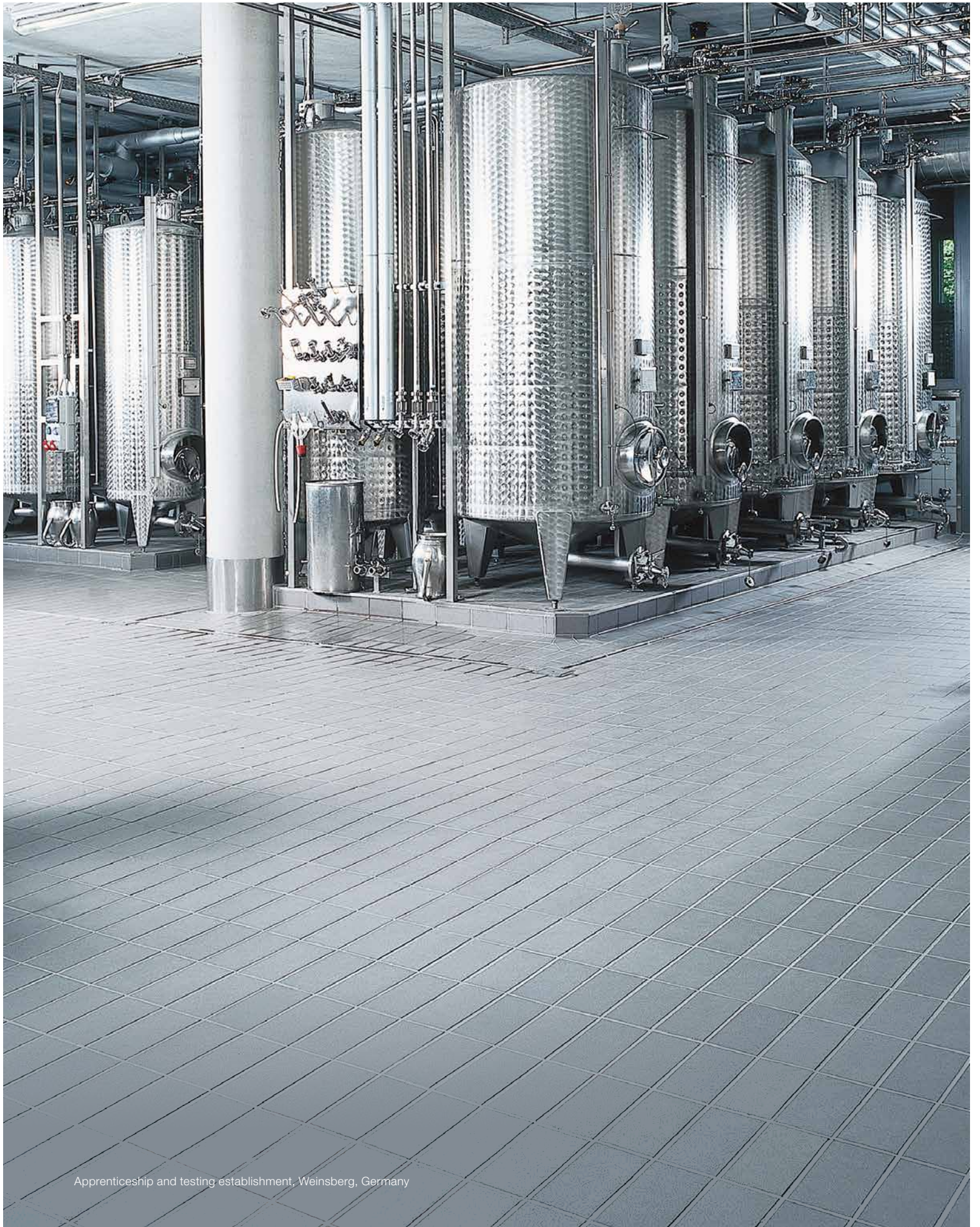


Ferrum

Always on solid ground:
Ceramics for everyday industrial use.





Apprenticeship and testing establishment, Weinsberg, Germany



Apprenticeship and testing establishment, Weinsberg, Germany

High-quality ceramics: an investment that pays off

Specialists deliver more. This also applies to the ceramic floor tiles in the Ferrum range, which were developed specifically to meet the tough demands of industrial premises. The solid-coloured, unglazed stoneware tiles offer excellent slip resistance and thereby help prevent accidents at work. They are extremely robust and far exceed the compressive strength of concrete or coating materials by a considerable margin. A technically sophisticated range of accessories, comprising cove skirtings and gutter tiles, facilitates the implementation of complete, site-specific solutions. Thanks to the innovative Hytect finish, cleaning is also made significantly easier, thereby reducing maintenance effort and operating costs.

Furthermore, Ferrum offers all the advantages of high-quality architectural ceramics, made in Germany: the tiles can be laid quickly and therefore cost-effectively. They are resistant to chemicals, moisture and other stresses associated with everyday industrial use. And they impress with their virtually unlimited service life. Moreover, ceramics are non-combustible. Finally, the minimal cleaning required reduces maintenance costs. Conclusion: Ferrum is an investment that pays off.

For Agrob Buchtal, the world-renowned specialist in ceramic solutions, high-quality products and first-class service go hand in hand. That is why our Architect Service is available to designers and architects who use our products – providing expert support throughout all phases of a project.



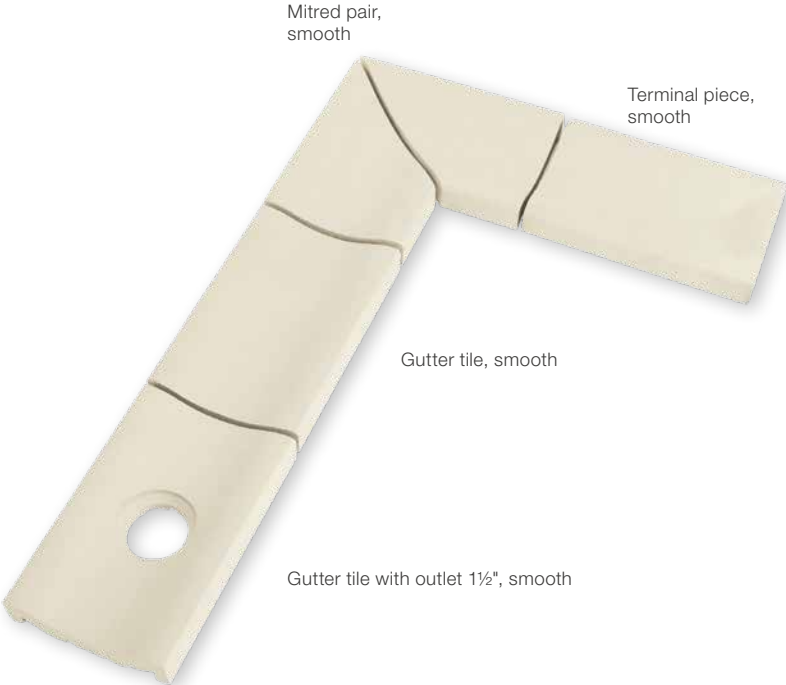
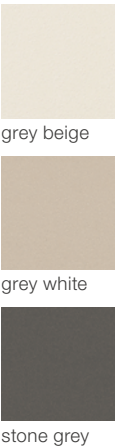
Production hall, Nuremberg, Germany



Meat processing, Castelnovo, Italy



School, Neu-Wulmstorf, Germany



Floor tile 12.5 x 25 cm, 5 x 10 in, smooth, R10/A
Floor tile 12.5 x 25 cm, 5 x 10 in, smooth, R11/B



Cove skirting, r = 20 mm
12.5 x 25 cm, smooth

Floor Tiles

Skirtings¹

12.5 x 25 cm



12.5 x 25 cm



12.5 x 25 cm



11 mm thick

18 mm thick

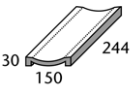
r= 20 mm

				1100H	1180H	4035H	Model number
				12.5 x 25 / 5 x 10	12.5 x 25 / 5 x 10	12.5 x 25 / 5 x 10	Nom. dim. - cm/in
				115 x 240 x 11 mm	115 x 240 x 18 mm	125 x 240 x 11 mm	Work size
				smooth, matt	smooth, matt	smooth, matt	Surface
				33.000/m ²	33.000/m ²	4.000/m	m ² /m - pieces
				20.724/m ²	34.221/m ²	3.420/m	m ² /m - kg
				23	14	18	Bundle - pieces
				0.697 m ²	0.424 m ²	4.500 m	Bundle - m ² /m
				14.444	14.518	15.390	Bundle - kg
				58.545	35.636		Pallet - m ²
				1.213.296	1.219.512		Pallet - kg
				Alb	Alb	Alb	Product standard
				see below	see below	see below	Slip resistance
				1-2	3-4		Stress group
				R10/A	R10/A	R10/A	
				900R-1100H	900R-1180H	900R-4035H	grey beige ☐
				Price gr. A115 (m ²)	Price gr. A211 (m ²)	Price gr. A435 (pce.)	
				R11/B	R11/B	R11/B	grey white ☐
				902R-1100H	902R-1180H	902R-4035H	
				Price gr. A115 (m ²)	Price gr. A211 (m ²)	Price gr. A435 (pce.)	
				R11/B	R11/B	R11/B	stone grey ☐
				929R-1100H	929R-1180H	929R-4035H	
				Price gr. A115 (m ²)	Price gr. A211 (m ²)	Price gr. A435 (pce.)	

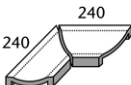


Gutter Tiles (trough depth 15 mm)

25 x 15.6 cm



25 x 15.6 cm²



25 x 15.6 cm



				Gutter tile	Gutter tile mit Ablauf 1 1/2"	Gutter tile, mitred pair	Gutter tile, terminal piece	Model number
				54420	54421	54422	54423	Nom. dim. - cm/in
				25 x 15.6 / 10 x 6 1/4	25 x 15.6 / 10 x 6 1/4	25 x 15.6 / 10 x 6 1/4	25 x 15.6 / 10 x 6 1/4	Work size
				244 x 150 x 30 mm	244 x 150 x 30 mm	(2x) 240 x 150 x 30 mm	244 x 150 x 30 mm	Surface
				smooth, matt	smooth, matt	smooth, matt	smooth, matt	m - pieces
				4.000	1.530/piece	3.030/pair	1.950/piece	Pce./pair - kg
				1.800/piece	8 pieces	4 pairs	8 pieces	Bundle - pieces/pair
				8 pieces				Bundle - m
				2.000	12.240	12.120	15.600	Bundle - kg
				14.400				Palette - m
								Pallet - kg
				Alb	Alb	Alb	Alb	Product standard
				R10/A	R10/A	R10/A	R10/A	Slip resistance
				900-54420	900-54421	900-54422	900-54423	
				Price gr. A460 (pce.)	Price gr. A565 (pce.)	Price gr. A585 (pair)	Price gr. A565 (pce.)	grey beige ☐



¹ Fitting insert for the outlet: Art. no. 182 - Programme of delivery Pool + Spa 2026

Note: Treat the surface with a suitable waterproofing agent!



Installation instructions

Mechanical loads only

Substrate preparation

The substrate must be solid, clean and stable. Surfaces that reduce adhesion and any contaminants must be carefully removed. The subfloor must be ready for installation and level and plumb in accordance with DIN 18202. Mastic asphalt and cement screeds must be primed. Waterproofing in accordance with DIN 18534, water exposure class W2-I or W3-I.

Installation

For installation with as few voids as possible using deformable flow-bed mortar: After applying a bonding layer to the installation substrate, use a flow-bed or medium-bed trowel to spread the mortar in such a way that the tiles are fully embedded in the bed by a gentle pushing motion when laying the tiles.

Grouting

Using modified cementitious grout for high mechanical loads, applied using the slurry method. Once the grout has set, rinse it off and remove any remaining grout residue with a damp sponge once it has dried.

Expansion joints

The elastic sealing of expansion joints pre-filled with polyethylene tape is carried out using PU sealant. Before grouting, the cleaned joint flanks must be primed.

These installation instructions are to be regarded as general information only. For specific applications in buildings, special recommendations from the system manufacturer may need to be obtained.

The system manufacturer's processing guidelines/product information must be strictly observed!



Installation Instructions

Mechanical and Chemical Stress

Substrate preparation

The substrate must be dry, sound, clean and stable. Smooth surfaces must be roughened by shot-blasting or sanding; any contaminants that reduce adhesion must be carefully removed. The installation substrate must be ready for covering and must be level and plumb in accordance with DIN 18202. Before applying the waterproofing, the substrate must be primed with a system-compatible reactive resin primer and sprinkled with quartz sand.

Waterproofing

Waterproofing in accordance with DIN 18534, water exposure class W2-I or W3-I with additional chemical exposure.

Installation

Using a two-component reactive resin binder (mixed with quartz sand HS 020) using the buttering-floating method: After applying a thin contact layer to the installation substrate and material, comb the laying mortar onto both the installation substrate and the back of the tiles using a notched trowel (6–8 mm tooth spacing) to comb the laying mortar over both the installation substrate and the back of the tiles, to achieve a largely void-free bedding for the ceramic tiles.

Grouting

Using a reaction resin grout by the slurry or spray method. After approx. 5 to 10 minutes, pre-rinse with warm water and an epoxy sponge. Then wash with an epoxy sponge. During final cleaning, approx. 24 hours after grouting, wash off any remaining residue. To facilitate cleaning, add a suitable epoxy cleaner to the washing water.

Expansion joints

The elastic sealing of expansion joints pre-filled with polyethylene tape is carried out using PU sealant. Before grouting, the cleaned joint flanks must be primed.

Impregnation

Unglazed stoneware that has not been treated with Protecta or Hytect should be impregnated to prevent the penetration of coloured liquids, as well as fats and oils, and to facilitate cleaning. The impregnation should be applied to clean and dry floors; any excess must be removed immediately.

These installation instructions are to be regarded as general information only. For specific applications in buildings, special recommendations from the system manufacturer may need to be obtained.

The system manufacturer's processing guidelines and product information must be strictly observed!



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