



Product Range

STONEWARE
CLINKER TILES

MADE IN GERMANY

mvtec

ARGENOL
The Cleaning Range for your floor Coverings





STONEWARE

STONEWARE – Colours and Surfaces

04 / 05

STONEWARE – Fine grained

06 / 09

STONEWARE – Accessory tiles

10 / 11

CLINKER TILES

CLINKER TILES – Colours and Surfaces

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CLINKER TILES – Accessory tiles

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KERASIG / ARGENOL

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Quality is our priority - We will happily provide test certificates for your desired product.



FINE GRAINED



Light grey 200



Titanium grey 220



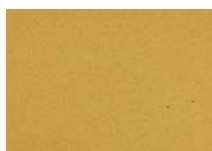
Anthracite 230



Beige 300



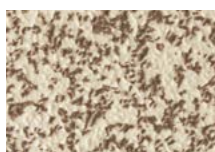
Arkona white 310



Sand yellow 400



Atlanta 250

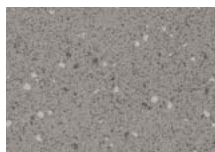


Grey porphyry 251

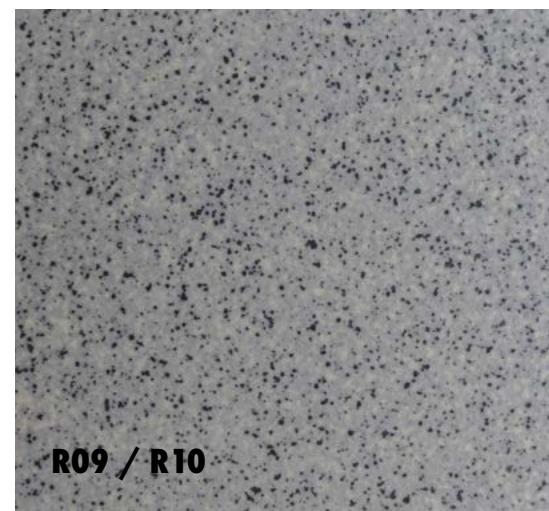
COARSE GRAINED



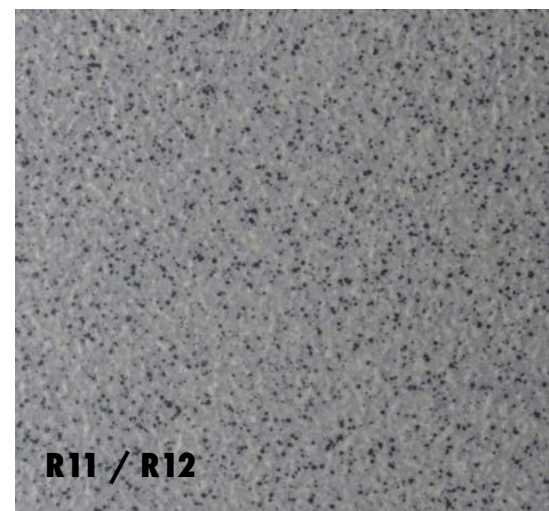
Cora 600



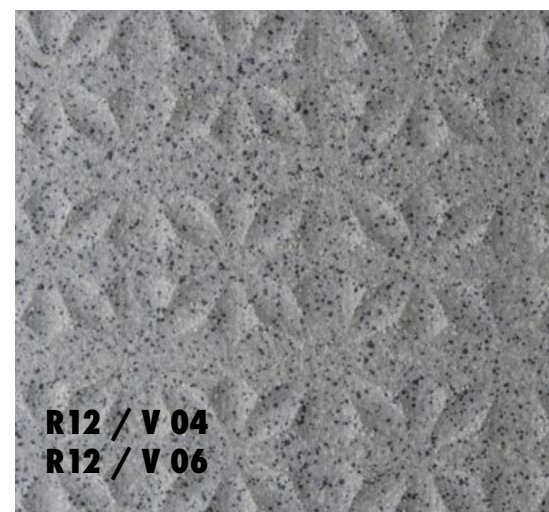
Miha 614



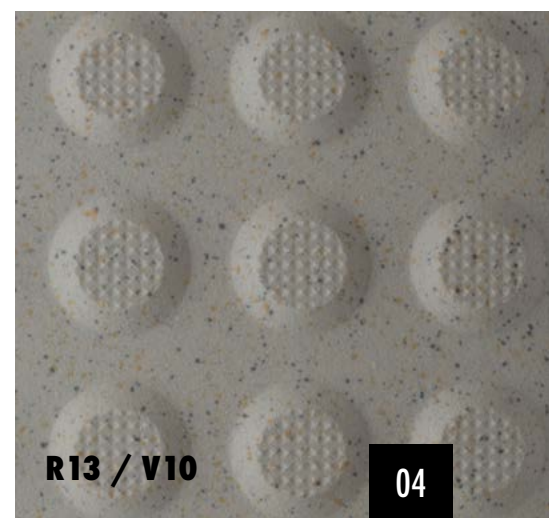
R09 / R10



R11 / R12



R12 / V 04
R12 / V 06



R13 / V10



Stoneware manufactured
by Argelith conforms to
CE regulations





			Thickness	Smooth	Security	Nopped profile
CARRÉE SERIES	Square 198 x 198	Arkona white	9	R09/R10		
			15	R10/R11	R 12	R12 / V06
			18	R10/R11		
		Beige	9	R09/R10		
			15	R10/R11	R 12	R 12 / V06
			18	R10/R11		
		Light grey	9	R09/R10		
			15	R10/R11	R 12	R 12 / V06
			18	R10/R11		
		Titanium Grey	15	R10/R11	R 12	R 12 / V06
			18	R10/R11		
		Anthracite	9	R09/R10		
			15	R10/R11	R 12	R 12 / V06
			18	R10/R11	R 12	R 12 / V06
	Square 298 x 298	Beige	12	R09/R10/R11		
			15	R09/R10/R11		
		Light grey	12	R09/R10/R11		
			15	R09/R10/R11		
		Titanium grey	12	R09/R10/R11		
			15	R09/R10/R11		
		Anthracite	12	R09/R10/R11		
			15	R09/R10/R11		



Arkona white



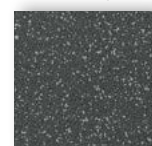
Beige



Light grey



Titanium grey



Anthracite

Additional colours/formats available upon request.

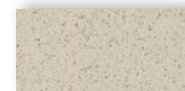
	Format	Thickness	Material requirements* incl. joints Pieces per sqm	Contents Pieces/ Package	Contents sqm/ Pallet	Weight in kg/ sqm	Weight in kg/ Pallet
Materials requirements table	198 x 198	9	25	22	52,80	20	1.056
		15	25	13	31,20	33,5	1.045
		18	25	11	26,40	40	1.056
	298 x 298	12	11	11	40,00	27,5	1.100
		15	11	9	32,73	33	1.080

*Requirement with normal grouting. With a „groutless“ installation (Vibration) the requirement will increase slightly.

			Thick- nerss	Smooth	Security	Nopped profile	Security Plus
CARRÉE SERIES	Rectangular 198 x 98	Arkona white	15	R10/R11	R 12	R 12 / V06	
			18	R10/R11	R 12	R12 / V06	R13 / V10
		Beige	15	R10/R11	R 12	R 12 / V06	
			18	R10/R11	R 12	R 12 / V06	
		Light grey	15	R10/R11	R 12	R 12 / V06	
			18	R10/R11	R 12	R 12 / V06	R13 / V10
		Titanium Grey	15	R10/R11	R 12	R 12 / V06	
			18	R10/R11	R 12	R 12 / V06	
		Sand yellow	15	R10/R11			
		Anthracite	15	R10/R11	R 12	R 12 / V06	
			18	R10/R11	R 12	R 12 / V06	
	Rectangular *240 x 115	Sand yellow	15	R10/R11			
			18	R10/R11			



Arkona white



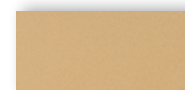
Beige



Light grey



Titanium grey



Sand yellow




Anthracite

In principle all formats can be installed with conventional (thin set, et al) installation methods.

		Format	Thickness	Matirial requi- rements* incl. joints Pieces per sqm	Contents Pieces/ Package	Contents sqm/ Pallet	Weight in kg/ sqm	Weight in kg/ Pallet
Materials requirements table	198 x 98		15	50	26	31,20	32,5	1.014
			18	50	22	26,40	40	1.056
	240 x 115		15	33	26	35,45	31	1.099
			18	33	22	30,00	37	1.110

*Requirement with normal grouting. With a „groutless“ installation (Vibration) the requirement will increase slightly.

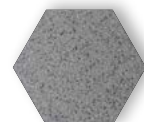
		Thickness	Smooth	Security	Nopped profile	Safety plus
<div>HEXALITH SERIES</div> 	Hexalith 108 x 125	Arkona white	15	R10/R11		
			18	R10/R11	R12	R12 / V04
		Beige	15	R10/R11		
			18	R10/R11	R 12	R12 / V04
		Light grey	15	R10/R11		
			18	R10/R11	R 12	R12 / V04
		Titanium grey	15	R10/R11		
			18	R10/R11		
		Anthracite	15	R10/R11		
			18	R10/R11		
		Cream yellow	15	R10/R11		
			18	R10/R11	R 12	R 12 / V04
		Grey porphy	18	R10/R11	R 12	R 12 / V04
		Atlanta	18	R10/R11	R 12	R 12 / V04



Arkona white



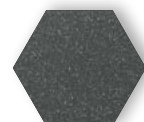
Beige



Light grey



Titanium grey



Anthracite



Cream yellow



Grey porphy



Atlanta




blunt finishing tile




point finishing tile

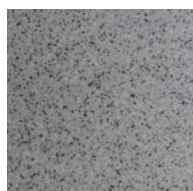
All Hexagonal tile can be delivered with pre-cut pointed and blunt finishing tiles.

		Format	Thickness	Material requirements* incl. joints Pieces per sqm	Contents Pieces/ Package	Contents sqm/ Pallet	Weight in kg/ sqm	Weight in kg/ Pallet
	Materials requirements table	108 x 125	15	97,5	48	31,01	35,20	1.092
			18	96,5	40	26,11	41,30	1.079

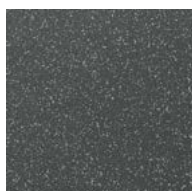
*Requirement with normal grouting. With a „groutless“ installation (Vibration) the requirement will increase slightly.

		Thickness	Smooth
	Rectangular 398 x 398	Anthracite	R09/R10/R11
		Light grey	R09/R10/R11

Additional colours/formats available upon request.



Light grey



Anthracite

		Thickness	Smooth
	Rectangular 398 x 398	Miha	R09/R10

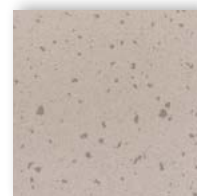
Additional colours/formats available upon request.




Miha

		Thickness	Smooth
	Rectangular 298 x 298	Cora	R09
		Miha	R09/R10



Additional colours/formats available upon request.



Cora

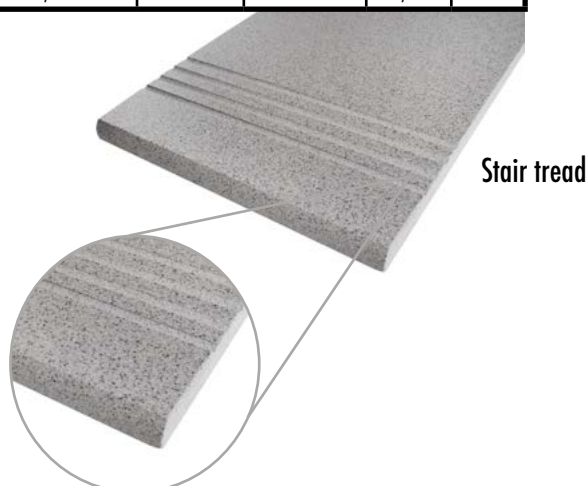
		Format	Thickness	Material requirements* incl. joints Pieces per sqm	Contents Pieces/ Package	Contents sqm/ Pallet	Weight in kg/ sqm	Weight in kg/ Pallet
	Materials requirements table	298 x 298	12	11	11	40,00	27,5	1.100
			15	11	9	32,73	33	1.080
		398 x 398	12	6,3	6	26,67	27	720
			15	6,3	5	22,22	34	755

*Requirement with normal grouting. With a „groutless“ installation (Vibration) the requirement will increase slightly.

		Colour	Thickness	Slip Resistance	Material requirements including joints Pieces /linear m	Contents sqm/ Pallet	Contents lfm/ Pallet	Weight in kg/ ldfm kg/ Pallet	
 Stair tread tiles, rounded front with grooves 	298 x 198	Light grey	15	R 10/R 11	5	10	72	10	720
	298 x 298	Light grey	12*	R 9**	3,33	11	132,13	8,5	1.023
		Beige	12*	R 9**	3,33	11	132,13	8,5	1.023
		Titanium grey	12*	R 9**	3,33	11	132,13	8,5	1.023
		Anthracite	12*	R 9**	3,33	11	132,13	8,5	1.023
	398 x 398	Light grey	15	R 9**	2,5	5	56	56	600
		Anthracite	15	R 9**	2,5	5	56	56	600
		Miha	15	R 9**	2,5	5	56	56	600

*also available in 15mm thickness
 **More surfaces available upon request / Stair tread tiles in coarse grain upon request

		Colour	Thickness	Material requirements including joints Pieces /linear m	Contents Pieces / Package	Contents linear m/ Pallet	Weight in kg/ ldfm kg/ Pallet	
Strip tiles	298 x 72 rounded	Light grey	12	3,33	28	538,14	1,90	1.022
		Beige	12	3,33	28	538,14	1,90	1.022
		Titanium grey	12	3,33	28	538,14	1,90	1.022
		Anthracite	12	3,33	28	538,14	1,90	1.022
		Cora	12	3,33	28	538,14	1,90	1.022
		Miha	15	3,33	21	378,38	2,63	995
	398 x 72	Light grey	15	2,5	15	288	2,60	750
		Titanium grey	15	2,5	15	288	2,60	750
		Anthracite	15	2,5	15	288	2,60	750
		Miha	15	2,5	15	288	2,60	750



Stair tread

Material requirements including joints
Thickness Pieces /linear m
Contents Pieces / Package
Contents linear m/ Pallet
Weight in kg/ ldfm kg/ Pallet

Coved base skirting	198 x 110	Light grey	10	5	25	375	2,56	960
		Arkona white	10	5	25	375	2,56	960
		Beige	10	5	25	375	2,56	960
		Titanium grey	10	5	25	375	2,56	960
		Sand yellow	10	5	25	375	2,56	960
		Anthracite	10	5	25	375	2,56	960
		Grey porphy	10	5	25	375	2,56	960
		Atlanta	10	5	25	375	2,56	960
		Light grey	15	5	15	225	3,70	832
		Arkona white	15	5	15	225	3,70	832
		Beige	15	5	15	225	3,70	832
		Titanium grey	15	5	15	225	3,70	832
		Anthracite	15	5	15	225	3,70	832
		Light grey	18	5	15	180	4,50	810
		Arkona white	18	5	15	180	4,50	810
		Beige	18	5	15	180	4,50	810
		Titanium grey	18	5	15	180	4,50	810
		Anthracite	18	5	15	180	4,50	810
		Grey porphy	18	5	15	180	4,50	810
		Atlanta	18	5	15	180	4,50	810

Additional colours/formats available upon request.



Coved base skirtings

Internal right angel covered based skirtings /
External right angle covered based skirtings

	Arkona white
	Light grey
	Beige
	Titanium grey
	Cream yellow
	Sand yellow
	Anthracite
	Grey porphy
	Atlanta



Internal right angel covered based skirtings



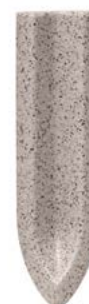
External right angle covered based skirtings

Internal corners /
External corners

	Arkona white
	Light grey
	Beige
	Titanium grey
	Cream yellow
	Sand yellow
	Anthracite
	Grey porphy
	Atlanta



External corners



Internal corners

Thickness Smooth Security Nopped profile

Rectangular 198 x 98	Brick red	16	R 10/R 11	R 12	R 12 / V 06
		20	R 10/R 11	R 12	R 12 / V 06
	Blue red flamed	16	R 10		
		20	R 10		
Rectangular 240 x 115	Brick red	16	R 10/R 11	R 12	
		20	R 10/R 11	R 12	R 12 / V 06
		25	R 10		
	Blue red flamed	16	R 10		
		20	R 10		
	Brick red*	30	R 10		

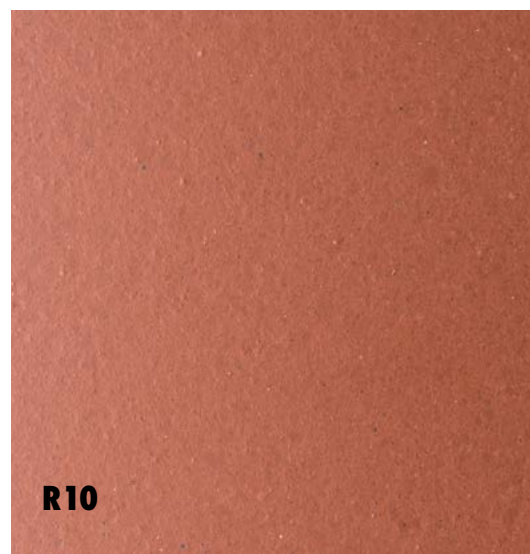
*sharp edged

Format Thickness Material requirements including joints Pieces per sqm Contents Pieces / Package Contents sqm/ Pallet Weight in kg/ ldfm kg/ Pallet

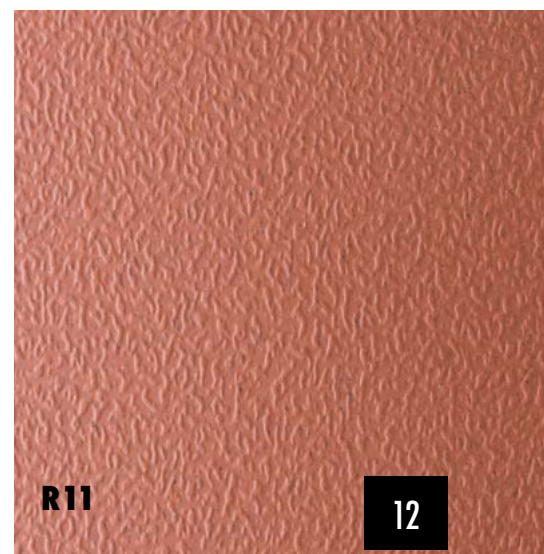
Material requirements table	198 x 89	16	50	16	35,84	36,5	1.308
		20	50	13	29,12	47,5	1.383
	240 x 115	16	33	16	34,91	36,5	1.274
		20	33	13	28,36	44,5	1.262
		25	33	11	24,00	56	1.344
	Sharp edged	30	33	9	19,64	67	1.316

*Requirement with normal grouting. With a „groutless“ (Vibration) the requirement will increase slightly.

SURFACES



R10



R11

COLOURS



Brick red

110



Blue Red Flammed

150

Colour aberration from original product may be caused by printing.



**100%
NATURAL
PRODUCT**



			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m/ Pallet	Weight in kg/ lm kg/pal	
Window sill tiles with drip nose	198 x 98	Brick red	20	10	13	145,60	10,00	1.456
		Blue red flamed	20	10	13	145,60	10,00	1.456
	240 x 115	Brick red	20	8	13	117,00	11,00	1.278
		Blue red flamed	20	8	13	117,00	11,00	1.278



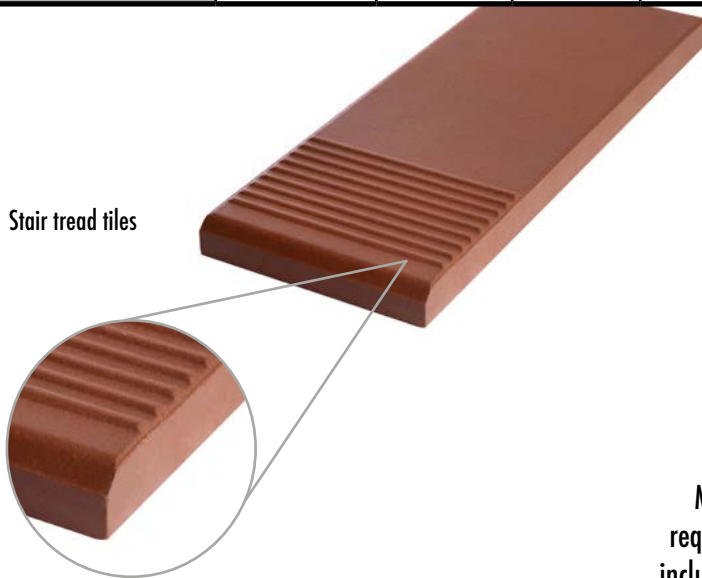
Wall top coverings



Window sill tiles

			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m / Pallet	Weight in kg/ lm kg/pal	
Wall top coverings rounded both sides with drip nose	300 x 115	Brick red	20	8	10	97,50	14,00	1.365
		Blue red flamed	20	8	10	97,50	14,00	1.365

Stair tread tiles



			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m / Pallet	Weight in kg/ lm kg/pal	
Stair tread tile with drip nose	300 x 115	Brick red	20	8	10	97,50	14,00	1.365
		Blue red flamed	20	8	10	97,50	14,00	1.365



Strip tiles

			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m/ Pallet	Weight in kg/ lm	Weight in kg/pal
Strip tiles	240 x 52	Brick red	12	4	22	858,00	1,60	1.372
		Blue red flamed	12	4	22	858,00	1,60	1.372

Only in special choice



Bullnoses

			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m / Pallet	Weight in kg/ lm	Weight in kg/pal
Bullnoses	240 x 115	Brick red	16	4	16	288,00	4,40	1.267

Only in special choice



Coved base skirtings

			Thickness	Material requirements including joints Pieces /linear m	Contents Pieces/ Package	Contents linear m / Pallet	Weight in kg/ lm	Weight in kg/pal
Coved base skirtings	198 x 98	Brick red	10	5	25	375,00	2,56	960
		Brick red	15	5	15	225,00	3,70	832

Internal right angel covered based skirtings /
External right angle covered based skirtings

	Brick red
--	-----------

Material requirements: Pair



Internal right angel covered based skirtings

External right angle covered based skirtings



Internal corners /
External corners

	Brick red
--	-----------

Material requirements: Pieces



Internal corners



External corners



Kerasig in 15mm thickness
with the slip resistance
R12 / V06

CE
Stoneware manufactured
by Argelith conforms to
CE regulations



Possible installation width patterns



	Format	Thick- ness	Matirial requirements whole tiles pieces / linear m	Matirial requirements half tiles pieces / linear m	Surface
Materials require- ments table	ca. 14 cm	15 / 18		8	R11
	ca. 20 cm	15 / 18		10	R11
	ca. 28 cm	15 / 18	4	8	R11

Cement Haze Remover

The cement haze remover and decalcifier for acid-resistant substrates, heavy building dirt and lime and jointing material residue (basic and post-construction cleaning).

Designation	Item number	
Cement haze remover	10L	00 99 19 00 400
Cement haze remover	20L	00 99 19 00 401
Cement haze remover	200L	00 99 19 00 402

Active Clean

Active Clean maintenance/shop floor cleaner for fine stoneware/porcelain, tiles and vitrified and semi-vitrified ceramic flooring: It removes stubborn old and new stains, the heaviest polymer soiling, wax and care product residue and much more.

Designation	Item number	
Maintenance / shop floor cleaner	10L	00 99 19 00 410
Maintenance / shop floor cleaner	20L	00 99 19 00 411
Maintenance / shop floor cleaner	200L	00 99 19 00 412

Clinker Oil

A special product for clinker tiles to penetrate them and to treat them. It contains high-quality oils and oil-like substances and is almost odorless and ready to use. Clinker oil soaks into the pores, strengthens the natural structure, brightens the color and makes the surfaces less susceptible to soiling.

Designation	Item number	
Clinker Oil	10L	00 99 19 00 420
Clinker Oil	20L	00 99 19 00 421
Clinker Oil	200L	00 99 19 00 422



Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	Displacement space with code for the minimum volume	Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	Displacement space with code for the minimum volume
0	General work rooms and areas *)			5	Slaughter and Meat processing		
0.1	Entrance area, inside **)	R 9		5.1	Slaughterhouse	R13	V 10
0.2	Entrance area, outside	R 11 or R 10	V 4	5.2	Tripe scalding room	R13	V 10
0.3	Stairways, inside ***)	R 9		5.3	Meat cutting room	R13	V 8
0.4	Stairways, outside	R 11 or R 10	V 4	5.4	Sausage kitchen	R13	V 8
0.5	Inclined ramps ***) (for example wheelchair ramps access ramps, transport alleys)	One R-group higher than for access areas	V-value for access areas, if applicable	5.5	Boiled sausage department	R13	V 8
0.6	Sanitary rooms			5.6	Raw sausage department	R13	V 6
0.6.1	Toilets	R 9		5.7	Drying room for sausages	R12	
0.6.2	Changing rooms, cleaning rooms	R 10		5.8	Entrail storage	R12	
0.7	Break rooms (eg lounge, cafeteria)	R 9		5.9	Pickling and smoking room	R12	
0.8	first aid rooms and similar areas (see ASR A4.3)	R 9		5.10	Chicken processing	R12	V 6
				5.11	Cold Meat and packing department	R12	
				5.12	Workshops	R12	V 8****)
1	Manufacture of margarine, cooking fat, cooking oil			6	Fish and Delicatessen processing		
1.1	Fat melting	R 13	V 6	6.1	Fish processing	R 13	V 10
1.2	Cooking oil refinery	R 13	V 4	6.2	Delicatessen processing	R 13	V 6
1.3	Manufacture and packing of margarine	R 12		6.3	Mayonnaise processing	R 13	V 4
1.4	Manufacture and packing of cooking fat, bottling of cooking oil	R 12					
2	Manufacture of milk and cheese			7	Vegetables processing		
2.1	Manufacture of fresh milk and butter	R 12		7.1	Sauerkraut processing	R 13	V 6
2.2	Manufacture, storage and packing of cheese	R 11		7.2	Tinned vegetables processing	R 13	V 6
2.3	Manufacture of ice cream	R 12		7.3	Sterilisation rooms	R 11	
				7.4	Rooms in which vegetables are prepared for processing	R 12	V 4
3	Manufacture of chocolate and confectionery			8	Wet rooms in food and beverage processing		
3.1	Sugar Digester house	R 12		8.1	Fermenting rooms	R 10	
3.2	Manufacture of cocoa	R 12		8.2	Beverage bottling, fruit juice manufacture	R 11	
3.3	Manufacture of raw mix	R 11					
3.4	Manufacture of praline	R 11		9	Kitchens, dining rooms		
				9.1	Kitchens restaurants / hotel kitchens	R 12	
4	Manufacture of pastries (bakeries, confectionery, long-life bakery products)			9.2	Kitchens for retirement homes, daycare and sanatoriums	R 11	
4.1	Manufacture of pastry	R 11		9.3	Kitchens in hospitals and clinics	R 12	
4.2	Rooms in which fat or fluid products are produced and handled	R 12		9.4	Catering services	R 12	V 4
4.3	Sink-room	R 12	V4	9.5	Fast food / Convenience food	R 12	
				9.6	Thawing and warm-up kitchens	R 10	
				9.7	Coffee and Tea kitchens, kitchens in B&B hotels, ward kitchens	R 10	
				9.8	Sink room		
				9.8.1	Sink rooms for 9.1, 9.4, 9.5	R 12	V 4
				9.8.2	Sink rooms for 9.2	R 11	
				9.8.3	Sink rooms for 9.3	R 12	
				9.9	Dining rooms / break room including transport areas	R 9	

Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	Displacement space with code for the minimum volume	Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	Displacement space with code for the minimum volume
10	Cold and freezer rooms			13	Laundries and Laundromats		
10.1	for non-packed goods	R 12		13.1	Areas with dishwashers, centrifuges and tunnel washers	R 9	
10.2	for packed goods	R 11		13.2	Rooms with washing machines, where clothes are handled dripping wet	R 11	
11	Sales rooms			13.3	Ironing and pressing rooms	R 9	
11.1	Reception of meat			14	Concentrated feed processing		
11.1.1	for non-packed goods	R 11		14.1	Provender manufacture	R 11	
11.1.2	for packed goods	R 10		14.2	Provender manufacture with fat and water	R 11	V 4
11.2	Reception of fish	R 11		15	Leather production, textiles		
11.3	Serving area for meat and sausages			15.1	Wet working areas in a tannery	R 13	
11.3.1	for unpackaged goods	R 11		15.2	Room with fleshing machine	R 13	V 10
11.3.2	for packaged goods	R 10		15.3	Room with with leather waste	R 13	V 10
11.4	Access corridors for dairy products and ready packed materials	R 10		15.4	Room for production of fat based proofing	R 12	
11.5	Serving area for dairy products and delicatessen, nonpacked goods	R 10		15.5	Fabric dyeing in textile production	R 11	
11.6	Serving area for fish			16	Painting		
11.6.1	for unpackaged goods	R 12	V 8	16.1	Wet polishing areas	R 12	V 10
11.6.2	for packaged goods	R 11		16.2	Powdercoating	R 11	
11.7	Serving palces, excl. 11.3-11.6	R 9		16.3	Painting	R 10	
11.8	Preparation rooms			17	Ceramics industry		
11.8.1	for meat processing, excl. No. 5	R 12		17.1	Wet milling (processing of ceramic raw materials)	R 11	
11.8.2	for meat manufacture, excl. No. 5	R 11		17.2	Mixing Handling of materials such as tar, pitch, graphite of resins	R 11	V 6
11.9	Flower binding	R 11		17.3	Pressing (moulding) Handling of materials such as tar, pitch, graphite or resins	R 11	V 6
11.10	Sales areas with stationary ovens			17.4	Casting areas	R 12	
11.10.1	for producing pastries	R 11		17.5	Glazing areas	R 12	
11.10.2	for crisp-up prefabricated pastries	R 10		18	Glass and stone processing		
11.11	Sales area for stationary deep fryers or grills	R 12	V 4	18.1	Stone sawing and grindery	R 11	
11.12	Sales rooms, customer rooms	R 9		18.2	Glass forming for hollow (container) glass	R 11	
11.13	Preparation rooms of food for self-service areas	R 10		18.3	Grindery for glass	R 11	
11.14	Cashpoint and packing areas	R 9		18.4	Manufacture of insulated glass Handling of granulates	R 11	V 6
11.15	Outdoor sales areas	R 11 or R 10	V 4	18.5	Packing and Shipping of flat glass, Handling of separating agents	R 11	V 6
12	Social and welfare service rooms			18.6	Etching plants for glass	R 11	
12.1	Disinfection rooms (wet)	R 11					
12.2	Pre-cleaning for sterilisation	R 10					
12.3	Human waste rooms, outlet rooms, unsanitary care rooms	R 10					
12.4	Autopsy rooms	R 10					
12.5	Bathrooms, water cure rooms, Fango treatments	R 11					
12.6	Washing rooms for Operations, cast rooms	R 10					
12.7	Sanitary rooms, ward bathrooms	R 10					
12.8	Rooms for medical diagnosis and therapy, massage rooms	R 9					
12.9	Operating rooms	R 9					
12.10	Wards with sickrooms and corridors	R 9					
12.11	Doctors' Offices, Day hospitals	R 9					
12.12	Pharmacies	R 9					
12.13	Laboratories	R 9					
12.14	Hair Salons	R 9					

SLIP RESISTANCE

Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	Displacement space with code for the minimum volume	Number	Workplaces, workareas and operational traffic areas	Slip resistance Class (R-Group)	isplacement space with code for the minimum volume										
19	Concrete production			28	Schools and playschools												
19.1	Concrete washing areas	R 11		28.1	Entrances corridors, break halls	R 9											
				28.2	Classrooms, meeting rooms	R 9											
20	Store rooms			28.3	Stairways	R 10											
20.1	Store rooms for oil and fat	R 12	V 6	28.4	Woilets, wash rooms	R 10											
20.2	Store rooms for packed grocery	R 10		28.5	Teaching kitchens (see no. 9)	R 10											
20.3	Outdoor store rooms	R 11 or R 10	V 4	28.6	Kitchens in kindergartens (see no. 9)	R 10											
21	Chemicaland thermal treatment of metals			28.7	Machine rooms for wood working	R 10											
21.1	Pickling shop	R 12		28.8	Special rooms for crafts 7 handwork	R 10											
21.2	Herdening shop	R 12		28.9	Schoolyards	R 11 or R 10	V 4										
21.3	Laboratory	R 11		29	Financial institutions												
22	Metal treatment, wokshops			29.1	Circuit breaker room	R 9											
22.1	Galvanising rooms	R 12		30	Industrial traffic routes in outdoor areas												
22.2	Cast iron handling areas	R 11	V 4	30.1	Walkways	R 11 or R 10	V 4										
22.3	Mechanical work areas (for example turning shop or milling shop), punching shop, pressing shop, drawing shop, and all areas with increased oil lubrication requirements	R 11	V 4	30.2	Loading docks												
				30.2.1	Roofed	R 11 or R 10	V 4										
				30.2.2	Not roofed	R 12 or R 11	V 4										
22.4	Parts cleaning areas, areas with waste steam	R 12		30.3	Inclines ramps (eg wheel chairs, loading ramps)	R 12 or R 11											
23	Service Workshops for motor vehicles			30.4.1	Refuelling area, roofed	R 11											
23.1	Service rooms	R 11		30.4.2	Refuelling area, not roofed	R 12											
23.2	Pits	R 12	V 4	31	Parking areas												
23.3	Car wash	R 11	V 4	31.1	Garages, multi-storey car park, underground garage protected from outside weather *****)	R 10											
24	Service rooms for airplanes			31.2	Garages, multi-storey car park, underground garage not protected from outside weather	R 11 or R 10	V 4										
24.1	Hangars	R 11		31.3	Outdoor parking areas	R 11 or R 10	V 4										
24.2	Dockyards	R 12		*) For floors in wet areas walked on barefoot, see GUV information flooring for wet barefoot areas (GUV-I 8527													
24.3	Wash area	R 11	V 4	**) Entrance areas according to number 0.1 are areas which are accessed through entrances directly from the outside and can be carried into the moisture from the outside (See also point 6, paragraph 3, use of wastewater and Moisture transducer). For adjoining areas or other large areas please take notice of point 4, note 10.													
25	Sewage Plants			***) Stairs ramps under point 0.3 and 0.5 are those that can be carried in the moisture from the outside. For adjoining areas point 4 para. Note 10.													
25.1	Pump rooms	R 12		****) In such case that all areas will have the same floor installed, it might be that based on risk assesment (taking into account the cleaning process, slip and fall risks, and the materials from process) all floors can be adjusted to V04.													
25.2	Sludge dehydration rooms	R 12		*****)The pedestrian areas which are not affected by risk of slipping due to weather conditions such as rain or entrained moisture													
25.3	Raking rooms	R 12		Example for use:													
25.4	Store rooms for services and maintenance platforms	R 12		The work area 6.3, mayonnaise processing, is assessed as having a slip resistance requirement of R13. The minimum displacement volume for the floor is rated V04, meaning a minimum of 4 cm3/dm2. When selcting a suitable floor covering take into account the operating conditions of the individual cases, coverings can be included in the analysis, which have been certified by testing the following properties:													
26	Fire stations			<table><tr><td>Slip resistance</td><td>Displacement area</td></tr><tr><td>R13</td><td>V04</td></tr><tr><td>R13</td><td>V06</td></tr><tr><td>R13</td><td>V08</td></tr><tr><td>R13</td><td>V10</td></tr></table>				Slip resistance	Displacement area	R13	V04	R13	V06	R13	V08	R13	V10
Slip resistance	Displacement area																
R13	V04																
R13	V06																
R13	V08																
R13	V10																
26.1	Garages for vehicles	R 12															
26.2	Rooms for tube maintenance	R 12															
27	Breathing exersize area for Fire departments																
27.1	Preparation room	R 10															
27.2	Conditioning room	R 10															
27.3	Practice room	R 11															
27.4	Sluice	R 10															
27.5	Finish are	R 11															
27.6	Recovery room	R 11															
27.7	Control room	R 9															



Safety first

Always stay on safe ground

Argelith has proven to be the right choice for industrial floors requiring resistance to thermal, chemical mechanical and other stresses. As the graph shows Argelith keeps you on the safe side. Argelith tiles meet and exceed both requirements and norms for industrial floors.

Security:

Stoneware and clinker tiles meet the key requirements in the high load areas of industry and commerce. And they always exceed the required standards!



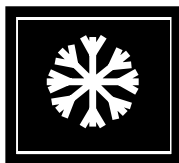
Slip resistant

Argelith meets the requirements for all areas of application. (R10-R13 and V04-V10)



Chemical resistant

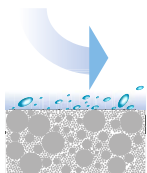
Argelith tiles are unglazed and oil, acid and alkali resistant.



Frost resistant

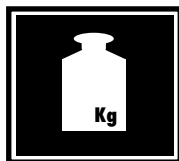
Argelith tiles do not crack, even in low temperatures and under thermal shocks.

mvtec®



mvtec® stoneware tile

The extreme density prevents water and moisture from penetrating. This helps achieve maximum stain resistance.



Eco-friendly

We only use natural raw materials without chemical additives.



Maximum load bearing

Argelith products are inherently elastic and can withstand high pressure.

Protect your people and the environment

It is important, as well as possibly legally required, that the environment should not be damaged. Whether exposed to oils, fats, alkalis, acids or other dangerous substances a floor of Argelith tiles ensures that the required standards can be met!

Technical values:

tested according to DIN EN ISO 10545 Section 1-16

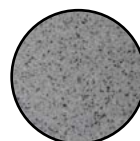
Argelith fine porcelain stoneware tiles comply in all tested properties with the requirements of the material Norm DIN EN 14411, Section G, Group B I and UGL.

Example:
Hexagonal 108 x 125 x 18 mm

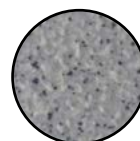
Requirement
according to DIN EN
14411

**Argelith
Bodenkeramik**

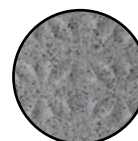
Modulus of rupture N/mm ² and average breaking strength in N	min. 35 N/mm ²	very well fulfilled
Resistance against deep wear	max. 175 mm ³	very well fulfilled
Water absorption in weight - %	max. 0,5 %	very well fulfilled



Non-profiled
R 9 - R 10



Security
R11 - R12



Nopped Profile
R12 / V04
R12 / V06



Safety Plus
R13 / V10

STONEWARE

Technical values:

tested according to DIN EN ISO 10545 Section 1-16

Argelith clinker tiles comply in all tested properties with the requirements of the material Norm DIN EN 14411, Section G, Group B I and UGL.

Example:
Brick red 198 x 98 x 16 mm

Requirement
according to DIN EN
14411

**Argelith
Bodenkeramik**

Modulus of rupture N/mm ² and average breaking strength in N	min. 30 N/mm ²	very well fulfilled
Resistance against deep wear	max. 175 mm ³	very well fulfilled
Water absorption in weight - %	max. 0,5 % < E < 3%	very well fulfilled



**Non-profiled
R10**



**Security
R11 / R12**



**Nopped profile
R12 / V06**

CLINKER TILES

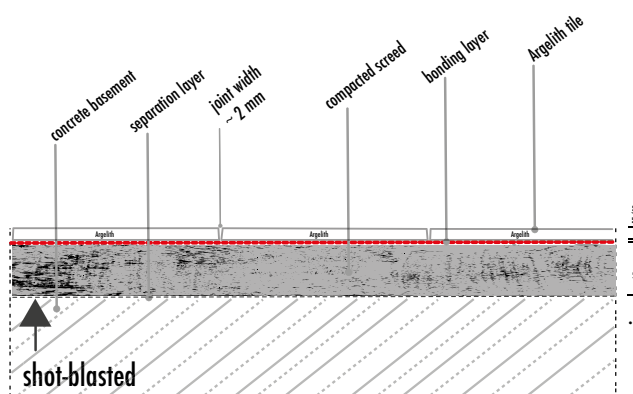
Floor structures

„Guidelines for the preparation of ceramic flooring using the vibration process“ AK QR (January 2015) describes the use of the vibration process for producing mechanically resistant and highly resilient ceramic floor cove designed especially for use on commercial and industrial premises.

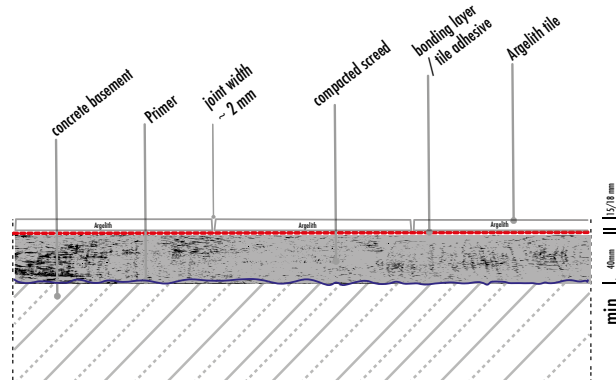
The design of the ceramic clad flooring surfaces can be made in direct connection with the supporting substructure, on separating layers or on insulation. The minimum thickness of underlay required for composite installations is 40 mm, on a separating layer 65 mm, and on insulation 85 mm.

The following detailed drawings illustrate the different configurations:

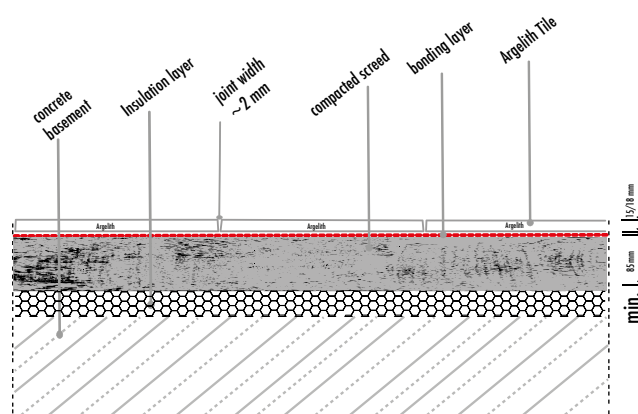
Floor structure on separation liner



Composite floor structures



Floor structure and insulating layer





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