

Ceramic Tile Specification Sheet

16 products in 12 categories.

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Specifications in this document are taken from the plant specification sheets. Sizes not listed are quoted on request. Bond, diamond concentration and grit are specified per application — send the material, the machine and the size with your enquiry.

Ceramic Tile

12 categories · 16 products

Diamond Cutting Blades (2)

Tile cutting blades for porcelain glazed and rustic tiles

Continuous Rim Blade for Ceramics

Diamond Cutting Blades — Chip-free cutting on porcelain and glazed tiles

A closed rim is the only way to cut polished porcelain without picking the glaze off the edge. Item IDs TA105CR-TA350CR are hot-press sintered for tile plants cutting to format.

Application: for smooth, fast and chip-free cutting ceramic tiles, porcelain tiles, glazed floor

Process: hot-press sintered

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Bore size	Segment	Grit size		
mm	inch	mm	thickness (mm)	height (mm)		
TA105CR	105	4	20	1.8	7	64#, 76#, 91#, 107#, 126#, 151#, 181#, 213#, 252#, 301#, 427#
TA115CR	115	4.5	20	1.8	7	
TA125CR	125	5	20	1.8	7	
TA150CR	150	6	22.23	2.0	7	
TA180CR	180	7	22.23	2.0/2.2	7	
TA200CR	200	8	22.23	2.0/2.2	7	
TA230CR	230	9	22.23	2.2/2.4	7	
TA250CR	250	10	60	2.0/2.2/2.4	10	
TA300CR	300	12	60	2.0/2.2/2.4	10	
TA350CR	350	14	60/50	2.0/2.2/2.4/2.6	10	
TA400CR	400	16	75	2.2/2.4/2.6	10	

Segmented Diamond Blade for Ceramics

Diamond Cutting Blades — Laser-cut slots for faster tile cutting

Special laser-cut slots clear swarf on thick and double-loaded tile bodies where a closed rim would stall. Item IDs TA180SG-TA350SG are silver-welded for continuous production duty.

Application: for smooth, fast and chip-free cutting ceramic tiles, porcelain tiles, glazed floor with special laser cut slot

Process: silver welded

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Bore size	Segment	Grit size		
mm	inch	mm	thickness (mm)	height (mm)		

Item ID	Diameter	Bore size	Segment	Grit size		
TA180SG	180	7	60	1.8/2.0	10	126#, 151#, 181#, 213#, 252#, 301#, 427#
TA200SG	200	8	60	1.8/2.0	10	
TA250SG	250	10	60	1.8/2.0/2.2/2.4	10	
TA300SG	300	12	60	1.8/2.0/2.2/2.4	10	
TA350SG	350	14	60/50	2.4/2.6/2.8	10	
TA400SG	400	16	60/50	2.4/2.6/2.8	10	
TA450SG	450	18	75/50	2.6/3.0	10	

Diamond Cylindrical Wheels (2)

Cylindrical wheels for rough grinding after the calibrating roller

Continuous Rim Diamond Cylindrical Wheels

Diamond Cylindrical Wheels — Continuous rim rough grinding after calibration

Sitting right after the calibrating roller, this wheel decides how much work the polishing heads still face. Item IDs TA150CCW1-TA200CCW2 are hot-press sintered.

Application: used to make rough grinding after diamond calibrating roller on ceramic tiles surface

Process: hot press sintered

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Grit size	
mm	length (mm)	height (mm)		
TA150CCW1	150	90	10	60#, 80#, 100#, 120#, 140#
TA150CCW2	150	40	10	
TA180CCW1	180	60	10	
TA200CCW1	200	58	10	
TA200CCW2	200	40	10	
TA200CCW3	200	24	10	

Segmented Diamond Cylindrical Wheels

Diamond Cylindrical Wheels — Segmented cylindrical wheel for faster removal

Segments remove stock faster than a closed rim at the rough grinding station, which matters when the calibrating pass left more than planned. Item IDs TA130SCW2-TA200SCW1 are silver-welded.

Application: used to make rough grinding after diamond calibrating roller on ceramic tiles surface

Process: silver welded

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Spiral	Grit size	
mm	thickness (mm)	height (mm)			
TA185SCW	185	8	13	12	60#, 80#, 100#, 120#, 140#
TA200SCW1	200	9	10	8	
TA130SCW2	200	6	10	16	
TA150SCW3	200	6	10	16	
TA208SCW	208	9	14	8	

Silicon Carbide Abrasive (2)

Magnesium oxide and resin bond silicon carbide abrasives for tile surfaces

Magnesium Oxide Bond Silicon Carbide Abrasive

Silicon Carbide Abrasive — Magnesium oxide bond for graded tile grinding

The magnesium oxide bond covers the rough, medium and fine grinding ladder on tile surfaces where diamond would be too aggressive. Item IDs TA140MOA and TA170MOA are hot-pressed.

Application: used to make rough, medium and fine grinding and polishing on ceramic tiles surface

Process: hot press

Bond: Magnesium oxide bond

Remark: other sizes are available upon customer's request

Item ID	Type	Grit size
TA140MOA	T1 L140	24#, 36#, 46#, 80#, 100#, 120#, 170#, 240#, 320#, 400#, 500#, 600#, 800#, 1000#, 1200#, 1500#, 1800#, 2500#
TA170MOA	T2 L170	

Resin Bond Silicon Carbide Abrasive

Silicon Carbide Abrasive — Resin bond abrasive for matt tile finishes

A matt finish needs an abrasive that yields under load rather than one that cuts through. Item IDs TA140RSA and TA170RSA run on normal polishing machines for smooth matt effects.

Application: used on normal polishing machines to make matt effect grinding on ceramic tiles surface in order to achieve smooth and uniform color surface

Process: hot press

Bond: resin bond

Remark: other sizes are available upon customer's request

Item ID	Type	Grit size
TA140RSA	T1 L140	36#, 46#, 80#, 100#, 120#, 170#, 240#, 320#, 400#, 500#, 600#, 800#, 1000#, 1200#, 1500#
TA170RSA	T2 L170	

Diamond Chamfering Wheels (2)

Chamfering wheels for porcelain and wear-resistant tile edges

Metal Bond Diamond Chamfering Wheels

Diamond Chamfering Wheels — Metal bond chamfering for hard tile edges

Metal bond takes the material off the arris quickly on polished porcelain and wear-resistant bodies. Item IDs TA120GB-TA130GB are hot-press sintered for standard chamfering heads.

Application: used to make chamfering on polished porcelain tiles, wearable ceramic tiles

Process: hot press sintered

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment		
mm	inch	thickness (mm)	height (mm)	
TA120GB	120	4.8	9	9/14
TA125GB	125	5	9	9/14
TA130GB	130	5.2	9	9/14
TA135GB	135	5.4	9	9/14
TA150GB	150	6	9	9/14

Resin Bond Diamond Chamfering Wheels

Diamond Chamfering Wheels — Resin bond chamfering on an aluminium base

Resin bond on an aluminium base finishes the chamfer smoothly after the metal bond wheel has taken the stock off. Item IDs TA125Y6-TA130Y6 fit the same stations.

Application: used to make chamfering on polished porcelain tiles, wearable ceramic tiles with aluminum base

Process: hot press sintered, resin bond

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Grit size	Type	
mm	thickness (mm)	height (mm)			
TA130Y3	130	40	10/12	230#, 400#, 600#, 800#	Y3
TA125Y6	125	25	15/20	Y6	
TA130Y6	130	40	15/20	Y6	
Item ID	Diameter	Segment	Grit size	Base material	
mm	thickness (mm)	height (mm)			

Item ID	Diameter	Segment	Grit size	Base material	
TA100RCA	100	40	15/20	230#, 270#, 320#, 400#, 600#, 800#	Aluminum
TA125RCA	125	25	15/20		
TA130RCA	130	40	10/20		
TA150RCA	150	40	10/20		

Diamond Fickert (1)

Diamond fickerts replacing silicon carbide on tile lines

Diamond Fickert for Ceramic Tile

Diamond Fickert — Diamond fickert replacing silicon carbide on tile lines

Silicon carbide changes its cut as it wears, so the finish drifts through the shift. Item IDs TA140DF and TA170DF hold their cut for rough and medium grinding on tile surfaces.

Application: used to make rough and medium grinding on ceramic tiles surface in the replace of traditional Silicon Carbide Abrasives

Process: hot press sintered

Bond: metal bond for rough polishing, resin bond for fine polishing

Remark: other sizes are available upon customer's request

Item ID	Type	Grit size
TA140DF	T1 140	36#, 46#, 60, 80#, 100#, 120#, 170#, 240#, 320#
TA170DF	T2 170	

Diamond Grooving Blades (1)

Grooving blades for tile back and face grooving

Diamond Grooving Blades

Diamond Grooving Blades — Grooving blades for tile back and face slots

Groove depth that varies along a tile shows up as lippage after installation, so the segment has to hold its width. Item IDs TA115GB-TA250GB are silver-welded for continuous grooving.

Application: used to make grooving on polished porcelain tiles, wearable ceramic tiles, rustic tiles, glaze floor and wall tiles

Process: silver welded

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Bore size	Segment	Grit size		
mm	inch	mm	thickness (mm)	height (mm)		
TA115GB	115	4.5	20	4.0/5.0	7	107#, 126#, 151#, 181#
TA150GB	150	6	30/32	5.0/6.0/10	7	
TA200GB	200	8	30/32	5.0/6.0	7	
TA250GB	250	10	60	3.0/3.8/4.0/5.0/10/15/20	7	
TA300GB	300	12	60	3.0/3.8/4.0/4.8/5.0/6.0/6.5/10/15/20	7	

Diamond Roller for Ceramic (1)

Calibrating rollers for uniform tile thickness before polishing

Diamond Roller for Ceramic

Diamond Roller for Ceramic — Calibrating roller for uniform tile thickness

Polishing an out-of-tolerance tile only moves the error into the gloss, so thickness is fixed here first. Item IDs TA240DR and TA320DR are silver-welded for continuous calibrating.

Application: used to calibrate and achieve a uniform thickness on ceramic tiles surface before polishing.

Process: silver welded

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Total length	Spiral	Segment	Grit size	
mm	mm	width (mm)	height (mm)			

Item ID	Diameter	Total length	Spiral	Segment	Grit size	
TA240DR	240	400, 800, 1000, 1600	5, 7, 8, 10	9	12	30#, 40#, 60, 80#, 100#, 120#, 140#
TA320DR	320	9	12			

Diamond Satellite Wheels (1)

Satellite wheels for rough grinding on tile polishing lines

Diamond Satellite Wheels

Diamond Satellite Wheels — Satellite wheels for even rough grinding on tiles

Uneven rough grinding turns into a visible gloss difference across the finished tile face. Item IDs TA150STW1-TA150STW3 are hot-press sintered in graded specifications.

Application: used to make rough grinding after diamond calibrating roller on ceramic tiles surface

Process: hot press sintered

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Grit size	
mm	length (mm)	height (mm)		
TA150STW1	150	20	20	60#, 70#, 80#, 100#, 120#
TA150STW2	150	15	20	
TA150STW3	150	15	15	

Glaze Polishing Abrasive (1)

Glaze abrasives for full and semi-polishing of rustic tiles

Glaze Polishing Abrasive

Glaze Polishing Abrasive — Full and semi-polishing on glazed and rustic tiles

Bringing gloss up on a glazed surface without cutting through the glaze is a grade-and-pressure problem. Item IDs TA140GPA and TA170GPA run on normal polishing machines.

Application: used on normal polishing machines to make flexible full-polishing and semi-polishing on the surfaces of rustic tiles, stone-like porcelain tiles, crystal-effect polished porcelain tiles and glaze tiles

Process: hot press sintered

Bond: resin bond

Remark: other sizes are available upon customer's request

Item ID	Type	Grit size
TA140GPA	T1 L140	100#, 120#, 170#, 240#, 320#, 400#, 500#, 600#, 800#, 1000#, 1200#, 1500#, 2000#, 3000#, 6000#, 8000#
TA170GPA	T2 L170	

Grinding Brush (1)

Diamond grinding brushes for matt and flexible tile finishing

Grinding Brush

Grinding Brush — Flexible brush finishing for structured tile surfaces

A structured surface has to be finished without being flattened, which rules out rigid tooling. Item IDs TA140GB and TA170GB cover T1 and T2 types from 36 to 1500 grit.

Application: used on normal polishing machines to make mat and flexible grinding

Remark: other sizes are available upon customer's request

Item ID	Type	Grit size
TA140GB	T1 L140	36#, 46#, 80#, 100#, 120#, 170#, 240#, 320#, 400#, 500#, 600#, 800#, 1000#, 1200#, 1500#
TA170GB	T2 L170	

Peripheral Squaring Wheels (1)

Metal bond peripheral wheels for tile edge squaring

Metal Bond Peripheral Squaring Wheels

Peripheral Squaring Wheels — Rough squaring on glazed and porcelain tile edges

Rough squaring sets up the size that the fine wheels then hold, and it is where most of the material comes off. Item IDs TA180PS1-TA200PS3 are silver-welded for continuous duty.

Application: used to make squaring on glaze floor tiles edges, and is also used to make rough squaring on polished porcelain tiles

Process: silver welded

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Grit size	
mm	width (mm)	height (mm)		
TA180PS1	180	9	12	46#, 60#, 70#, 80#, 100#, 120#, 140#
TA180PS2	180	10	10	
TA180PS3	180	10	14	
TA200PS1	200	9	12	
TA200PS2	200	10	10	
TA200PS3	200	10	14	

Diamond Squaring Wheels (1)

Resin bond wheels for fine squaring on tile edges

Resin Bond Diamond Squaring Wheels

Diamond Squaring Wheels — Fine squaring for rectified tile edges

Fine squaring has to deliver size, flatness and edge finish in the same pass, which is what a resin matrix is for. Item IDs TA200RS1-TA250RS2 are hot-press sintered.

Application: used to make fine squaring on ceramic tiles edges in order to achieve high precision size, flat and smooth effect.

Process: hot press sintered

Bond: please tell us your tiles and working condition, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter	Segment	Grit size	
mm	width (mm)	height (mm)		
TA200RS1	200	25	12	80#, 100#, 120#, 150#, 180#
TA200RS2	200	40	12	
TA250RS1	250	25	12	
TA250RS2	250	40	12	