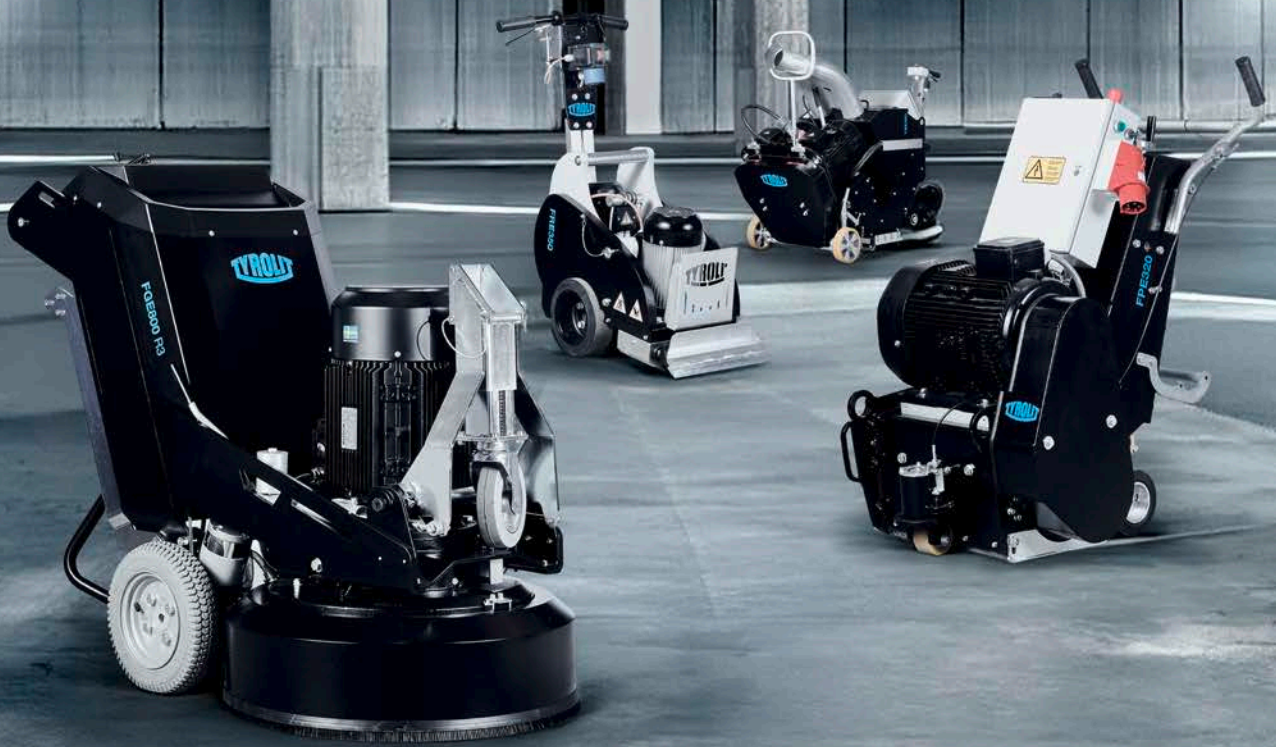


Floor Prep & Floor Grinding

Machines, Tools & Accessories



Premium grinding solutions since 1919
www.tyrolit.com

TYROLIT

The Tyrolit Group

Tyrolit is one of the world's leading manufacturers of grinding and dressing tools, as well as a system provider for the construction industry. For over 100 years, our innovative tools and solutions have played a crucial role in technological advancements across various industries.

With roots in the heart of the Austrian Alps, Tyrolit combines the strengths of family values with a global vision and over a century of individual corporate and technological experience.

We aim to impress both internal and external target groups and foster fair, enduring partnerships. In pursuit of our goals, we consistently optimise the quality of our products and services while continuously adjusting our business processes to meet evolving market demands.



Tyrolit headquarters in Schwaz (Austria)

Facts & figures



80,000+
standard products



30+
global production sites



4,500+
valued employees



140+
countries within our reach



500+
patents worldwide

Content

Floor scrapers	07
Machines	08
Tools & Accessories	09
Scarifiers & shavers	11
Machines	12
Tools & Accessories	14
Shot blasters	17
Machines	18
Tools & Accessories	20
Floor grinders	22
Machines	23
Accessories	27
Tools	29
Power trowels	47
Machines	48
Tools & Accessories	49
Dust extraction systems	50
Machines	51
Accessories	54
Chemicals & impregnation	59



Floor preparation and grinding

Tyrolit is a comprehensive system provider in the field of floor preparation and grinding, combining the expertise of three specialists under one roof. This enables us to respond to your individual needs:

A comprehensive product portfolio

for all key floor prep and floor grinding tasks:
50+ machine types, 300+ tool variants and accessories.

Three centres of excellence

(Switzerland, Sweden and Germany) with decades of expertise and experienced application engineers in your area.

Service centres

throughout Europe with a high level of solution expertise and short downtimes.



Floor preparation and grinding,
dust extraction & tools



Floor grinding



Floor prep & floor grinding

Naming floor prep & floor grinding machines

FGE500M3VWT

F	G	E	500	M	3	V	WT	
								Additional feature: WT = Water Tank, L = Light version, D = Drive Unit, LC = Low Chassis, HP = Higher Power (P2)
								Speed control: V = Variable speed
								Number of discs: 1 disc 3 discs 4 discs
								Drive: M = Manually driven, R = Remote controlled
								Working width: 200 - 800 mm
								Power source: E = Electric, P = Propane, G = Gasoline, B = Battery
								Machine type: G = Grinder, R = Remover, P = Planer, B= Blaster, T = Trowel
								Application: F = Floor

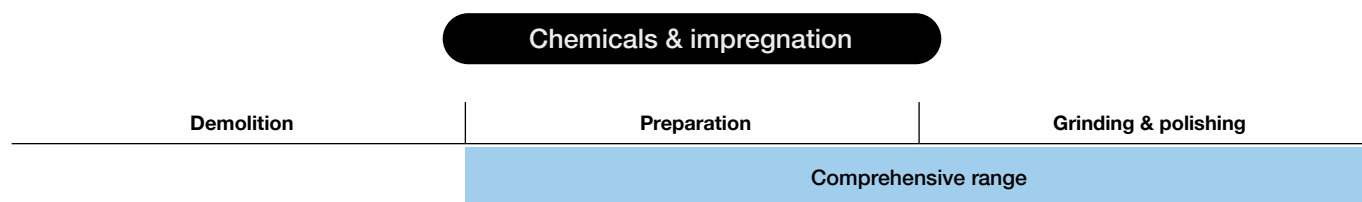
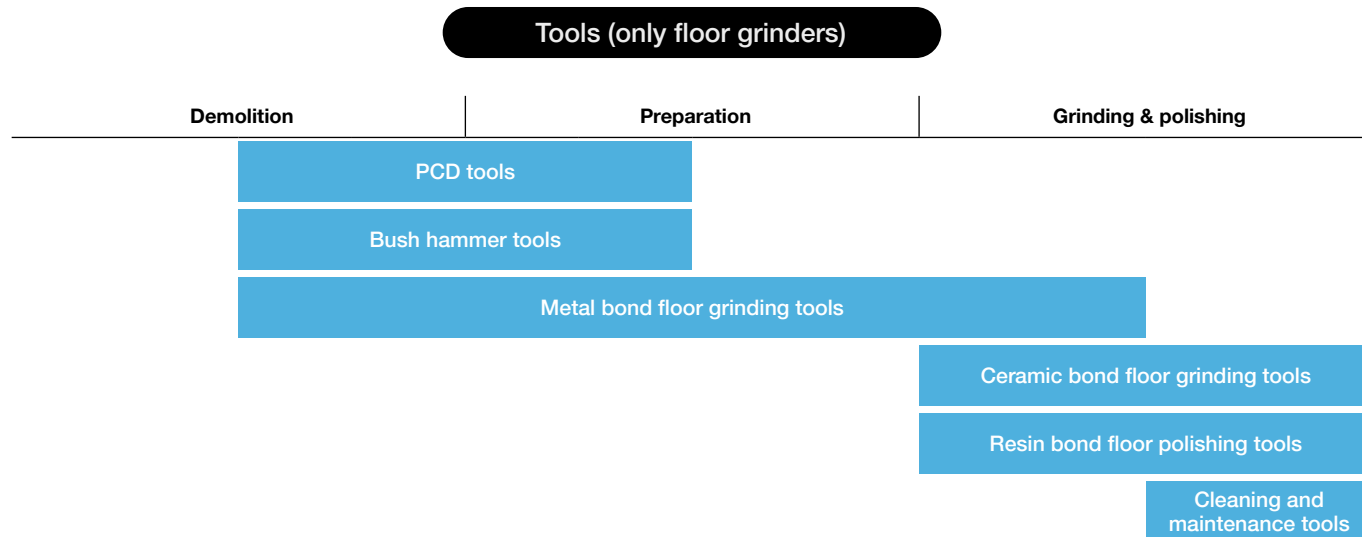
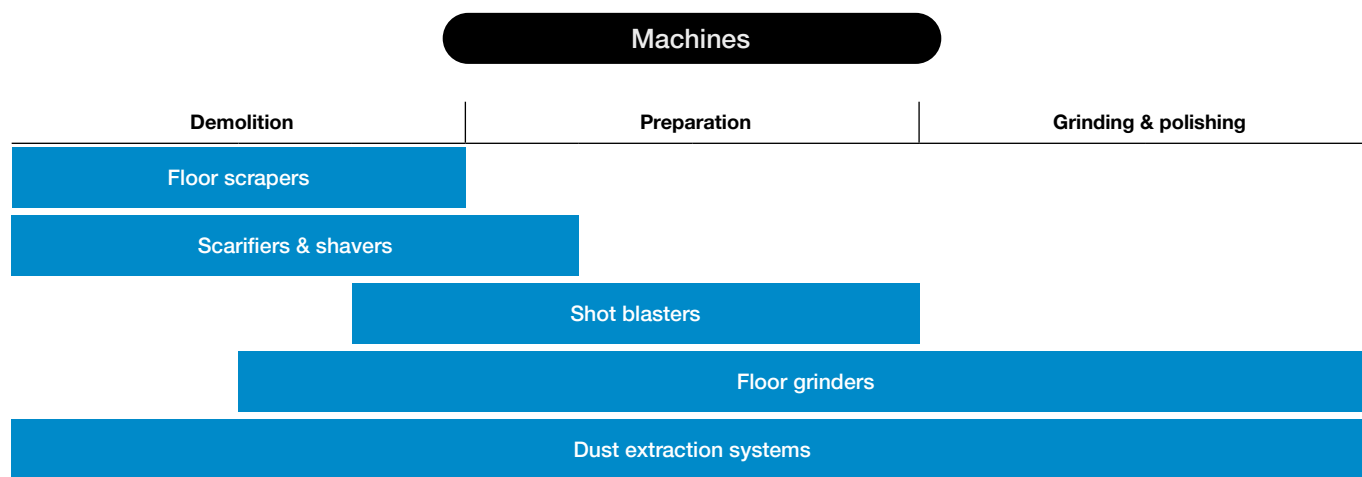
VCE7522CCT

V	C	E	75	22	C	CT	
							Feature 2: CT = Container, LP = LongoPac, P = Integrated Pre-separator C = Cyclone Technology
							Feature 1: C =Compressor, D = Dry, U = Universal (wet/dry)
							Product affiliation: 22 = R2D2, 90 = Scanmaskin 9000, 00 = (none)
							Power: 1.2 - 7.5 kW, 600 m³/h
							Power source: E = Electric, M = Mechanical
							Machine type: C= Cleaner, P = Pre-separator
							Application: V = Vacuum



Floor preparation and grinding portfolio

We offer the right machines and the perfect tools for efficient work in every area – all from a single source.



Available service contracts for Tyrolit machines



BASIC

- + **One-time annual preventive inspection**
- + Certified safety and function check
- + Documentation of all test certificates by the manufacturer
- + Use of tested Tyrolit spare parts
- + Availability guarantee for spare parts
- + Personal customer service and technical support
- + All software updates

STANDARD

- + **BASIC services**
- + Tyrolit machine service (material, labour and lubricants)
- + Replacement machine during the service interval

PREMIUM

- + **BASIC and STANDARD services**
- + Repair services (material, labour and all wearing parts)
- + Replacement machine during service and repair work
- + Transport of the machine

Contract details:

- + Contract duration: 4 years
- + Payment interval: annually or in full in advance
- + Price according to price list



Floor scrapers



Floor scrapers

Floor scrapers, also known as floor strippers, are used to efficiently remove existing floor coverings. With powerful oscillating mechanical action, they detach materials such as carpet, vinyl, linoleum, tiles or adhesive residues from the subfloor.

Depending on the type of surface, different blade widths, chisels and their penetrating angle are used. By using a floor scraper, the substrate is exposed cleanly and quickly, allowing subsequent preparation or grinding steps to be carried out more effectively.

Machines



For comprehensive machine information, please scan the QR code and download the machine flyers.

Machines	FRE250L	FRE250L	FRE250	FRE250
Voltage	230 V	110 V	230 V	110 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11012209	11017175	11003070	11007384
Working width	250 mm	250 mm	250 mm	250 mm
Nominal power	1.1 kW	1.1 kW	1.1 kW	1.1 kW
Nominal current	6.3 A	13.3 A	6.3 A	13.3 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Dimensions (L / W / H)	850 / 320 / 970 mm	850 / 320 / 970 mm	780 / 500 / 1110 mm	780 / 500 / 1110 mm
Weight	48 kg	48 kg	122 kg	122 kg
Features	+ Dismantable + Oscillating knife + Flexible cutting angle + Robust chassis + XLL bearing unit (extra long life)	+ Dismantable + Oscillating knife + Flexible cutting angle + Robust chassis + XLL bearing unit (extra long life)	+ Flexible weight + Dismantable + Suitable for chiselling + Oscillating knife + Flexible cutting angle + Drive unit + Robust chassis + XLL bearing unit (extra long life)	+ Flexible weight + Dismantable + Suitable for chiselling + Oscillating knife + Flexible cutting angle + Drive unit + Robust chassis + XLL bearing unit (extra long life)

Machines	FRE350	FRE350
Voltage	230 V	110 V
		
Quality line	PREMIUM ★★★	PREMIUM ★★★
Type No.	11002737	11007385
Working width	350 mm	350 mm
Nominal power	1.5 kW	1.5 kW
Nominal current	8.7 A	18.1 A
Frequency	50 Hz	50 Hz
Dimensions (L / W / H)	810 / 500 / 1130 mm	810 / 500 / 1130 mm
Weight	230 kg	230 kg
Features	+ Flexible weight + Dismantable + Suitable for chiselling + Oscillating knife (accessory) + Drive unit + Robust chassis + XLL bearing unit (extra long life)	+ Flexible weight + Dismantable + Suitable for chiselling + Oscillating knife (accessory) + Drive unit + Robust chassis + XLL bearing unit (extra long life)

Tools & Accessories

Type No.	Description	FRE250L*	FRE250*	FRE350*
Accessories				
	11002738 Angle adjustment 350 mm for blade +/- 10 degrees			●
	11003895 Transport wheel attachment complete FRE350	●	●	●
	11002739 Dust extraction set complete FRE350	●	●	●
	11004008 Service box FRE350			●
	11004009 Service box FRE250		●	

* Valid for all variants

● Scope of delivery

● Accessory (optional)

			FRE250L*	FRE250*	FRE350*
Type No.	Description				
Chisels and Chisel Accessories					
	11002740 Chisel holder				●
	11002741 Chisel 25 mm				●
	11003888 Chisel 50 mm				●
Blades					
	11004011 Blade FRE250/350 250 × 130 × 1.5 mm		●	●	●
	11004013 Blade FRE250/350 250 × 80 × 2.5 mm			●	●
	11002745 Blade FRE250/350 250 × 80 × 1.5 mm			●	●
	11003892 Blade FRE250/350 200 × 80 × 2.5 mm			●	●
	11003891 Blade FRE250/350 200 × 80 × 1.5 mm			●	●
	11002743 Blade FRE350 350 × 130 × 1.5 mm				●
	11004014 Blade FRE350 350 × 80 × 2.5 mm				●
	11002742 Blade FRE350 350 × 80 × 1.5 mm				●
	11004012 Blade U-shape sharp FRE250/350 250 × 80 × 1.5 mm		●	●	●
	11002744 Blade U-shape sharp FRE350 350 × 80 × 1.5 mm				●
	11003889 Blade U-shape flat FRE350 350 × 80 × 1.5 mm				●
	11016338 Blade U-shape sharp 150 × 115 × 3 mm		●	●	●
	11018779 Magnetic work LED		●	●	●

* Valid for all variants

Scarifiers & shavers



Scarifiers & shavers

Scarifiers and shavers are powerful surface preparation machines designed to remove concrete layers, coatings or surface irregularities with high precision. Scarifiers use rapidly rotating drums fitted with flails or cutters to aggressively break up and texture the surface, while shavers cut the substrate more smoothly using diamond blades for controlled depth removal.

Depending on the required surface profile, different drum types, cutters and blade configurations are selected. Both types of machines provide efficient material removal and create a uniform base for subsequent grinding, coating or repair works.

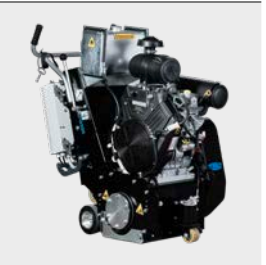
Machines



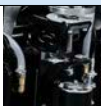
For comprehensive machine information, please scan the QR code and download the machine flyers.

Machines	FPE200	FPE200	FPE200	FPG200
Voltage	400 V	230 V	110 V	-
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11004213	11002922	11017176	11002923
Working width	200 mm	200 mm	200 mm	200 mm
Nominal power	3.0 kW	2.2 kW	1.5 kW	5.5 HP
Nominal current	5.92 A	12 A	24.9 A	-
Frequency	50 Hz	50 Hz	50 Hz	-
Ø Hose connection	50 mm	50 mm	50 mm	50 mm
Dimensions (L / W / H)	900-1000 / 370 / 900 - 1000 mm	900-1000 / 370 / 900 - 1000 mm	900-1000 / 370 / 900 - 1000 mm	900-1000 / 370 / 900 - 1000 mm
Weight	65 kg	65 kg	65 kg	56 kg
Recommended vacuum	VCE2400D	VCE2400D	VCE2400D	VCE2400D
Features	+ Easy height adjustment + Scarifier	+ Easy height adjustment + Scarifier	+ Easy height adjustment + Scarifier	+ Easy height adjustment + Scarifier

Machines	FPE250	FPE250DU	FPG250	FPG250DU
Voltage	400 V	400 V	-	-
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11002924	11002925	11002926	11002927
Working width	250 mm	250 mm	250 mm	250 mm
Nominal power	7.5 kW	7.5 kW	9 HP	13 HP
Nominal current	13.9 A	13.9 A	-	-
Frequency	50 Hz	50 Hz	-	-
Ø Hose connection	3" Camlock male (76 mm)	3" Camlock male (76 mm)	3" Camlock male (76 mm)	3" Camlock male (76 mm)
Dimensions (L / W / H)	940 / 500 / 1160 mm	870 / 500 / 1160 mm	870 / 500 / 1160 mm	940 / 500 / 1160 mm
Weight	127.5 kg	142 kg	102 kg	157 kg
Recommended vacuum	VCE3600D + VPM600UC	VCE3600D + VPM600UC	VCE3600D + VPM600UC	VCE3600D + VPM600UC
Features	+ Easy height adjustment + Suitable for a wide range of tools + Scarifier and shaver	+ Easy height adjustment + Suitable for a wide range of tools + Self-propelled + Scarifier and shaver	+ Easy height adjustment + Suitable for a wide range of tools + Scarifier and shaver + Gasoline version	+ Easy height adjustment + Suitable for a wide range of tools + Self-propelled + Scarifier and shaver

Machines	FPE320	FPE320LC	FPG320	FPE340
Voltage	400 V	400 V	-	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11002728	11002928	11002929	11011026
Working width	320 mm scarifier/340 mm shaver	340 mm	320 mm scarifier/340 mm shaver	340 mm
Nominal power	15 kW (0.17 kW)	18.5 kW	31 HP	18.5 kW
Nominal current	26.7 A	33.4 A	-	32.8 A
Frequency	50 Hz	50 Hz	-	50 Hz
Ø Hose connection	3" Camlock male (76 mm)	3" Camlock male (125 mm)	3" Camlock male (125 mm)	125 mm
Dimensions (L / W / H)	980 / 630 / 1180 mm	980 / 630 / 1180 mm	1180 / 660 / 1180 mm	1530 / 7400 / 1140 mm
Weight	270 kg	300 kg	267 kg	480 kg
Recommended vacuum	VCE3000C / VCE5522C	VCE5522C	VCE3000C / VCE5522C	VCE7522C
Features	+ Easy height adjustment + Suitable for a wide range of tools + Self-propelled + Scarifier and shaver	+ Easy height adjustment + Self-propelled + Cutting depth 35 mm + Shaver	+ Easy height adjustment + Suitable for a wide range of tools + Self-propelled + Scarifier and shaver	+ Easy height adjustment + Drive unit (direct) + Cutting depth 45 mm + Shaver

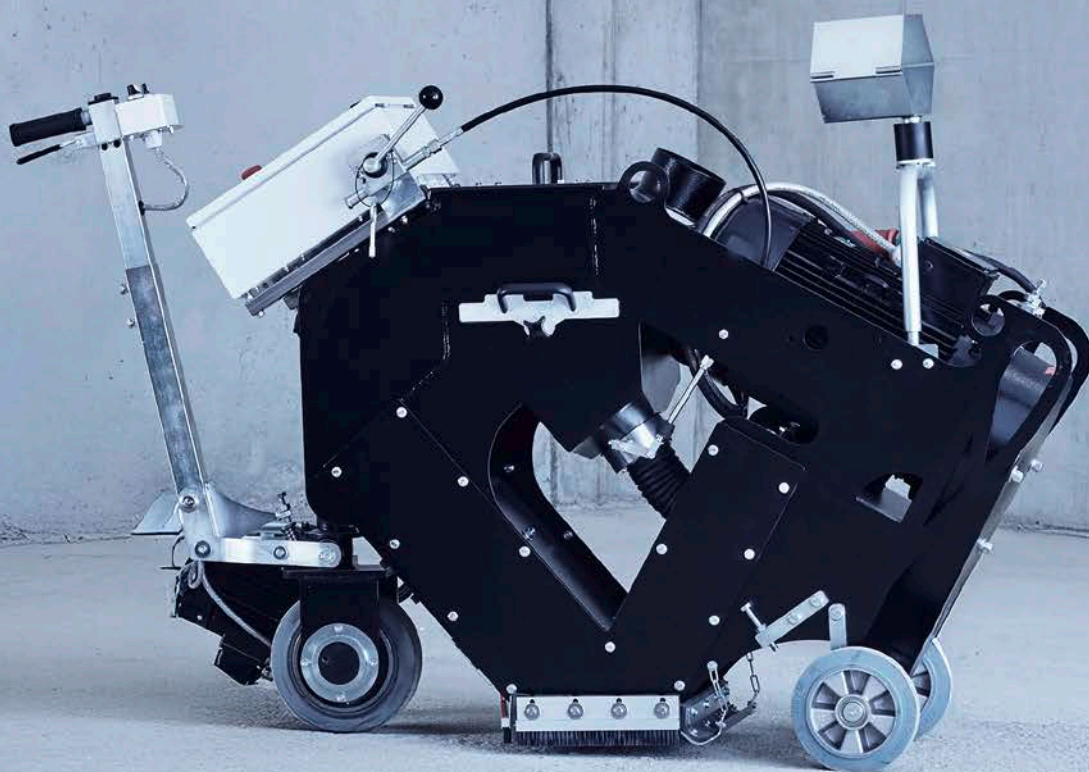
Tools & Accessories

Type No.	Description	FPx200	FPx250	FPx320	FPx340
Accessories					
	11002730 Sprinkler system complete		●	●	●
	11004005 Line up mechanism FPE250		●		
	11002736 Dust extraction wagon FPE320			●	
	11004001 Line up mechanism FPE320			●	
	11002729 Line up laser complete FPE320			●	
Tools and Tool Accessories					
	11004024 Complete drum with cutters 45/5	●			
	11003864 1 piece cutter 42/5	●			
	11004023 Complete drum with milling flails 42/10	●			
	11003862 1 piece milling flail 42/10	●			
	11003863 1 piece beam flail 42/12	●			
	11003859 1 piece spacer for drums with cutters, milling flails and beam flails FPE200	●			
	11009355 Edger 60 mm FPx200	●			
	11004028 Complete drum for side planer with cutters 45/5	●			
	11016892 Complete drum for edger 60 mm with milling flails 45/10 (11009355)	●			
	11016035 Complete drum for edger 60 mm with beam flails 45/12 (11009355)	●			

			FPx200	FPx250	FPx320	FPE340
Type No.	Description					
Tools and Tool Accessories						
	11004025	Complete drum with cutters 57/6		●		
	11003865	1 piece cutter 57/6		●		
	11004026	Complete drum with milling flails 57/20		●		
	11003866	1 piece milling flail 57/20		●		
	11003861	1 piece spacer for drums with cutters and milling flails FPE250		●		
	11003369	Drum for diamond blades Ø 200 mm (without blades) – 240 mm		●		
	34556797	Diamond blade 200 mm for hard concrete		●		
	11016691	Star PCD blade A for FPx250		●		
	11016693	Star PCD blade B for FPx250		●		
	11016695	Star PCD blade C for FPx250		●		
	11004027	Complete drum with cutters 80/8			●	
	11003867	1 piece cutter 80/8			●	
	11004029	Complete drum with milling flails 80/20			●	
	11003868	1 pc milling flail 80/20			●	
	11003860	1 pc spacer for drums with cutters and milling flails FPE320			●	

			FPx200	FPx250	FPx320	FPE340
Type No.	Description					
Tools and Tool Accessories						
	11002731 Drum for diamond blades Ø 300 mm				●	●
	34716253 FPX-C1 Premium for very hard concrete				●	●
	11016692 Star PCD blade A for FPx320			●	●	
	11016694 Star PCD blade B for FPx320			●	●	
	11016696 Star PCD blade C for FPx320			●	●	
	11002735 Spacer 1 mm for diamond blade drum			●	●	●
	11002734 Spacer 2 mm for diamond blade drum			●	●	●
	11002733 Spacer 3 mm for diamond blade drum			●	●	●
	11003371 Spacer 5 mm for diamond blade drum			●	●	●
	11018779 Magnetic work LED		●	●	●	●

Shot blasters



Shot blasters

Shot blasting is a highly efficient surface preparation method that propels steel shot at high speed onto the substrate using a rapidly rotating blast wheel. The impact removes contaminants, coatings or weak surface layers while simultaneously creating a clean, textured profile ideal for subsequent coatings or overlays.

The abrasive is continuously recycled inside the machine, while dust and debris are separated through an integrated dust collector, ensuring a controlled and nearly dust-free process. Shot blasting is suitable for concrete, asphalt, steel and other hard surfaces, delivering consistent CSP profiles and high productivity on large areas.

Machines



For comprehensive machine information, please scan the QR code and download the machine flyers.

Machines	FBE200	FBE200P2	FBE200DU	FBE225
Voltage	230 V	400 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11009328	11002987	11009330	11002930
Working width	200 mm	200 mm	200 mm	225 mm
Nominal power	2 kW	3 kW	4 kW	7.5 kW
Nominal current	12 A	5.81 A	7.95 A	13.6 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Ø Hose connection	3" Camlock male (76 mm)	3" Camlock male (76 mm)	3" Camlock male (76 mm)	3" Camlock male (76 mm)
Dimensions (L × W × H)	1150 / 400 / 900 mm	1150 / 400 / 900 mm	1200 / 400 / 900 mm	1480 / 340 / 1050 mm
Weight	84 kg	92 kg	120 kg	210 kg
Recommended vacuum	VCE3600D	VCE3600D	VCE3600D	VCE3000C
Features	+ Easy to maintain	+ Easy to maintain	+ Easy to maintain + Drive unit (direct)	+ Modular principle + Easy to maintain + Drive unit (direct)

Machines	FBE300	FBE300P2	FBE350	FBE350P2
Voltage	400 V	400 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11009331	11011025	11002931	11009332
Working width	300 mm	300 mm	350 mm	350 mm
Nominal power	11 kW (0.75 kW)	15 kW (0.75 kW)	15 kW	18.5 kW
Nominal current	20.7 A	26.7 A	26.7 A	32.8 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Ø Hose connection	125 mm	125 mm	125 mm	125 mm
Dimensions (L × W × H)	1750 / 470 / 1000 mm	1750 / 470 / 1000 mm	1850 / 550 / 1100 mm	1850 / 550 / 1100 mm
Weight	386 kg	386 kg	440 kg	450 kg
Recommended vacuum	VCE3000C	VCE3000C	VCE5522C	VCE5522C
Features	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)

Machines	FBE500	FBE500P2	FBE560	FBE560P2
Voltage	400 V	400 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11002989	11013845	11009335	11009336
Working width	500 mm	500 mm	560 mm	560 mm
Nominal power	15 kW	18.5 kW	2 × 11 kW	2 × 15 kW
Nominal current	27.9 A	32.8 A	2 × 20.7 A	2 × 26.7 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Ø Hose connection	125 mm	125 mm	150 mm	150 mm
Dimensions (L × W × H)	1940 / 640 / 1250 mm	1940 / 640 / 1250 mm	1850 / 750 / 1150 mm	1850 / 750 / 1150 mm
Weight	470 kg	480 kg	650 kg	690 kg
Recommended vacuum	VCE7522C	VCE7522C	VCE7522C	VCE7522C
Features	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)	+ Easy to maintain + Drive unit (direct)

Tools & Accessories

Type No.	Description	FBE200	FBE225	FBE300	FBE350	FBE500	FBE560
Accessories							
	11004019 Service box incl. tools and wear parts FBE225		●				
	11009392 Service box incl. tools and wear parts FBE300			●			
	11002990 Service box incl. tools and wear parts FBE350				●		
	11009393 Service box incl. tools and wear parts FBE500					●	
	11009394 Service box incl. tools and wear parts FBE560						●
	11004051 FBE225 extension unit 400 V 16 A 7.5 kW 210 kg		●				
	11004036 FBE350 extension unit 400 V 32 A 15 kW 440 kg				●		
	11004035 Magnetic brush 50 cm	●	●	●	●	●	●
	11002991 Magnetic brush 70 cm	●	●	●	●	●	●
	11002992 Hose D 125 mm 15 m			●	●	●	●
	11008534 3" hose (D78) anti-static 12 m	●	●				
	11007382 Camlock adapter female 3", with connection tube 3"	●	●				
	11006963 Camlock adapter male 3", with connection tube 3"	●	●				
	11008506 Clamp 1 piece for 3", 2 pieces needed	●	●				
	11004017 Hose D 70 mm 15 m	●	●				

● Scope of delivery

● Accessory (optional)

			FBE200	FBE225	FBE300	FBE350	FBE500	FBE560
Type No.	Description							
Wear parts								
	11004015	Blast wheel set FBE200/225 + cage	●	●				
	11003402	Side lining blast chamber 225		●				
	11004007	Top lining blast chamber 225		●				
	11004022	Blast wheel set FBE300/350/500/560 + cage			●	●	●	●
	11009353	Side lining blast chamber FBE300			●			
	11009354	Top lining blast chamber FBE300			●			
	11003410	Side lining blast chamber FBE350				●		
	11003408	Top lining blast chamber FBE350				●		
	11009351	Side lining blast chamber FBE500					●	
	11009352	Top lining blast chamber FBE500					●	
	11009353	Side lining blast chamber FBE560						●
	11011757	Top lining blast chamber FBE560						●
Steel shots								
	11004682	Steel shot S 390 F20 VE 25 kg	●	●				
	11004684	Steel shot S 460 F16 VE 25 kg			●	●	●	●

Floor grinders



Floor grinding in a nutshell

For a new floor, the first step is to grind the raw, dried out floor using metal-bond diamond tools of different grit sizes. Then resin or ceramic-bond tools are used for finer grinding and polishing. After each grinding step, the excess material/sludge/dust is removed. Various chemicals are used at certain stages of the floor grinding process. Depending on the desired surface characteristics, more or fewer grinding and polishing steps with different tools are needed.



Machines



For comprehensive machine information, please scan the QR code and download the machine flyers.

Machines	FGE230M1	FGE230M1	FGE250M1	FGE250M1
Voltage	230 V	110 V	230 V	110 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11009337	11017276	11009338	11017275
Grinding width	230 mm	230 mm	250 mm	250 mm
Nominal power	2.0 kW	1.5 kW	2 kW	1.5 kW
Nominal current	13 A	18.7 A	13 A	18.7 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Grinding speed	1290 rpm	1290 rpm	1460 rpm	1460 rpm
Grinding disc(s)	1 x 230 mm	1 x 230 mm	1 x 250 mm	1 x 250 mm
Dimensions (L / W / H)	1130 / 430 / 1130 mm	1130 / 430 / 1130 mm	1030 / 330 / 1000 mm	1030 / 330 / 1000 mm
Weight	43 kg	43 kg	58 kg	58 kg
Recommended vacuum	VCE2400D	VCE2400D	VCE2400D	VCE2400D
Features	+ Portable + Edge grinding + Dust port 50 mm	+ Portable + Edge grinding + Dust port 50 mm	+ Dust port 50 mm + 250 mm grinding disc Please note: No toolholder in the scope of delivery!	+ Dust port 50 mm + 250 mm grinding disc Please note: No toolholder in the scope of delivery!

Machines	FGE280M1	FGE330M1	FGE330M1	FGE330M1V
Voltage	230 V	400 V	230 V	110 V
				
Quality line	STANDARD ★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11000008	11011046	11011044	11011048
Grinding width	280 mm	330 mm	330 mm	330 mm
Nominal power	2.2 kW	4 kW	1.5 kW	1.1 kW
Nominal current	13 A	16 A	10 A	15 A
Frequency	50 Hz	50 - 60 Hz	50 Hz	50 - 60 Hz
Grinding speed	1 440 rpm	1430 rpm	600 rpm	150 - 400 rpm
Grinding disc(s)	1 x 280 mm	1 x 330 mm	1 x 330 mm	1 x 330 mm
Dimensions (L / W / H)	710 / 420 / 1110 mm	950 / 440 / 1000 mm	950 / 440 / 1000 mm	950 / 440 / 1000 mm
Weight	76 kg	84 kg	84 kg	94 kg
Recommended vacuum	VCE2400D	VCE2400D	VCE2400D	VCE2400D
Features	+ Edge grinding + Portable (dismantable)	+ Edge grinding	+ Edge grinding	+ Edge grinding + Variable speed and two directions

Machines	FGE330M1V	FGE330M1V	FGE400M1V	FGE450M3
Voltage	230 V	400 V	400 V	230 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	STANDARD ★★	PREMIUM ★★★
Type No.	11011047	11011049	11006500	11011050
Grinding width	330 mm	330 mm	400 mm	450 mm
Nominal power	2.2 kW	4 kW	4.0 kW	2.2 kW
Nominal current	10 A	16 A	12.8 A	12 A
Frequency	50 Hz	50 - 60 Hz	50 - 60 Hz	50 Hz
Grinding speed	250 - 750 rpm	250 - 1500 rpm	0 - 1800 rpm	750 rpm
Grinding disc(s)	1 x 330 mm	1 x 330 mm	1 x 400 mm	3 x 160 mm
Dimensions (L / W / H)	950 / 440 / 1000 mm	950 / 440 / 1000 mm	760 / 420 / 1200	810 / 460 / 1030 mm
Weight	94 kg	94 kg	89 kg	104 kg
Recommended vacuum	VCE3600D	VCE3600D	VCE3600D	VCE2400D
Features	+ Edge grinding + Variable speed and two directions	+ Edge grinding + Variable speed and two directions	+ Portable (dismantable)	+ Portable (dismantable) + Planetary drive + Additional weight (optional)

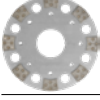
Machines	FGE450M3V	FGE450M3V	FGE500M3	FGE500M3V
Voltage	230 V	110 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11011051	11011052	11011053	11011054
Grinding width	450 mm	450 mm	500 mm	500 mm
Nominal power	2.2 kW	1.1 kW	5.0 kW	5.0 kW
Nominal current	12 A	15 A	16 A	16 A
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Grinding speed	300 - 750 rpm	300 - 750 rpm	950 rpm	250 - 1150 rpm
Grinding disc(s)	3 x 160 mm	3 x 160 mm	3 x 160 mm	3 x 160 mm
Dimensions (L / W / H)	810 / 460 / 1030 mm	810 / 460 / 1030 mm	1150 / 530 / 1100 mm	1150 / 530 / 1100 mm
Weight	102 kg	102 kg	146 kg	153 kg
Recommended vacuum	VCE2400D	VCE2400D	VCE3600D + VMP600UC	VCE3600D + VMP600UC
Features	+ Portable (dismantable) + Planetary drive + Variable speed and two directions + Additional weight (optional)	+ Portable (dismantable) + Planetary drive + Variable speed and two directions + Additional weight (optional)	+ Planetary drive + Portable (dismantable) + Additional weight (optional)	+ Planetary drive + Portable (dismantable) + Additional weight (optional) + Variable speed and two directions

Machines	FGE500M3V WT	FGE515M3V	FGE515M3V	FGE650M3V
Voltage	400 V	400 V	230 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11011055	11005400	11005200	11011056
Grinding width	500 mm	515 mm	515 mm	650 mm
Nominal power	5.0 kW	4.0 kW	2.2 kW	7.5 kW
Nominal current	16 A	8.5 A	7.9 A	16 A
Frequency	50 - 60 Hz	50 Hz	50 - 60 Hz	50 - 60 Hz
Grinding speed	250 - 1150 rpm	285 - 1150 rpm	350 - 750 rpm	350 - 1100 rpm
Grinding disc(s)	3 x 160 mm	3 x 230 mm	3 x 230 mm	3 x 220 mm
Dimensions (L / W / H)	1150 / 530 / 1100 mm	1325 / 550 / 1145 mm	1325 / 550 / 1145 mm	1120 / 655 / 1370 mm
Weight	160 kg	180 kg	170 kg	320 kg
Recommended vacuum	VCE3600D + VMP600UC	VCE3600D + VMP600UC	VCE3600D + VMP600UC	VCE7500D
Features	+ Planetary drive + Additional weight (optional) + Water tank + Variable speed	+ Portable (dismantable) + Light included + Spray nozzle + Extra weights included + Bush hammer capable + Control panel + Water tank + Planetary drive	+ Portable (dismantable) + Light included + Spray nozzle + Extra weights included + Bush hammer capable + Control panel + Water tank + Planetary drive	+ Extra weights optional + Bush hammer capable + Planetary drive + Water connection

Machines	FGP650M3V	FGE700M3V	FGE700R3	FGE750M3V
Voltage	-	400 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11011057	11011059	11011060	11011058
Grinding width	650 mm	700 mm	700 mm	750 mm
Nominal power	20 HP	7.5 kW	7.5 kW	10 kW
Nominal current	-	16 A	16 A	32 A
Frequency	-	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Grinding speed	600 - 960 rpm	200 - 825 rpm	350 - 850 rpm	250 - 1150 rpm
Grinding disc(s)	3 x 220 mm	3 x 220 mm	3 x 220 mm	3 x 280 mm
Dimensions (L / W / H)	1120 / 650 / 1500 mm	1530 / 735 / 1250 mm	1530 / 735 / 1250 mm	1120 / 655 / 1370 mm
Weight	382 kg	550 kg	605 kg	372 kg
Recommended vacuum	VCE7590DP	VCE7500D	VCE7500D	VCE7500D
Features	+ Bush hammer capable + Planetary drive + Water tank + Power source: Propane	+ Bush hammer capable + Planetary drive + Water tank + Fully adjustable handle + Ergo wheels + Removable front wheel	+ Bush hammer capable + Smart display + Water tank + Planetary drive + Remote controlled	+ Bush hammer capable + Planetary drive + Water connection

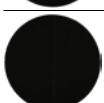
Machines	FGE780R4	FGE800M3V	FGE800R3	FGP800M3V
Voltage	400 V	400 V	400 V	-
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11004600	11011061	11011062	11017272
Grinding width	780 mm	800 mm	800 mm	800 mm
Nominal power	15 kW	15 kW	15 kW	30 HP
Nominal current	28 A	32 A	32 A	-
Frequency	50 Hz	50 - 60 Hz	50 - 60 Hz	-
Grinding speed	300 - 900 rpm	200 - 825 rpm	200 - 825 rpm	350 - 850 rpm
Grinding disc(s)	4 x 290 mm	3 x 280 mm	3 x 280 mm	3 x 280 mm
Dimensions (L / W / H)	2320 / 810 / 1200 mm	1550 / 800 / 1250 mm	1550 / 800 / 1250 mm	1600 / 800 / 1500 mm
Weight	580 kg	570 kg	610 kg	610 kg
Recommended vacuum	VCE7590DP	VCE7590DP	VCE7590DP	VCE7590DP
Features	+ Light included + Spray nozzle + Extra weights included + Bush hammer capable + Control panel + Water tank + Planetary drive + Remote controlled	+ Bush hammer capable + Smart display + Water tank + Planetary drive + Fully adjustable handle + Ergo wheels + Removable front wheel	+ Bush hammer capable + Control panel + Water tank + Planetary drive + Remote controlled	+ Bush hammer capable + Smart display + Water tank + Planetary drive + Power source: Propane

Accessories

Type No.	Description	FGE230	FGE250	FGE280	FGE330 230V	FGE330 400V	FGE400	FGE450	FGE500	FGE515	FGE650	FGE650	FGE700	FGE750	FGE780	FGE800
Accessories																
	34792972 1 piece EC tool holder* Ø 230 mm for 3 tools, FGE230 1 piece needed	● ●														
	34705213 1 piece EC tool holder* Ø 250 mm for 6 tools, FGE250 1 piece needed		●													
	34511140 1 piece EC tool holder* Ø 280 mm for 6 tools, FGE280 1 piece needed			● ●												
	34705198 1 piece Velcro tool holder Ø 280 mm, FGE280 1 piece needed			●												
	34779769 1 piece EC tool holder* Ø 330 mm for 9 tools, FGE330 1 piece needed				● ●	● ●										
	11017019 Additional weight 14.5 kg FGE330				● ●	● ●										
	34511139 1 piece EC tool holder* Ø 400 mm for 9 tools, FGE400 1 piece needed						● ●									
	34793003 1 piece Velcro tool holder Ø 400 mm, FGE400 1 piece needed						●									
	34779766 1 piece EC tool holder* Ø 160 mm for 3 tools, FGE450M3 / FGE450M3V 3 pieces needed							● ●	● ●							
	11017017 Additional weight 22.5 kg FGE450							●								
	11017018 Additional weight 22.5 kg FGE500								●							
	34567446 1 piece EC tool holder* Ø 230 mm for 6 tools, FGE515 3 pieces needed									● ●						
	34637280 1 piece Velcro tool holder Ø 230 mm without flexible padding, FGE515 3 pieces needed									●						
	34677772 1 piece Velcro tool holder Ø 230 mm with foam rubber padding, FGE515 3 pieces needed									●						
	34677776 1 piece flexible foam rubber pad Ø 230 mm with double-sided Velcro 3 pieces is needed Accessory for the Velcro tool holder Ø 230 mm (34637280), FGE515									●						
	34677774 1 piece flexible foam rubber pad Ø 230 with velcro on both sides 1 set of 3 pieces is needed Accessory for the velcro tool holder Ø 230 mm (34637280)									●						

● Scope of delivery

● Accessory (optional)

Type No.	Description	FGE230	FGE250	FGE280	FGE330 230V	FGE330 400V	FGE400	FGE450	FGE500	FGE515	FGE650	FGE650	FGE700	FGE750	FGE780	FGE800
Accessories																
	34687078 1 piece Velcro-to-EC holder Ø 80 mm To be mounted onto the single EC connector block of EC tool holders* For Velcro tools Ø 80 mm, 1 tool holder needed for each Velcro tool / EC connector block*	●		●	●	●	●			●	●	●	●	●	●	●
	34779767 1 piece EC tool holder* Ø 220 mm for 3 tools, FGE650 / FGE700 3 pieces needed										●	●	●			
	11017020 Additional weight 18 kg, FGE650										●					
	34779768 1 piece EC tool holder* Ø 280 mm for 3 tools, FGE750 / FGE800 3 pieces needed													●	●	●
	34567448 1 piece EC tool holder* Ø 290 mm for 6 tools, FGE780 4 pieces needed														●	
	34640832 1 piece Velcro tool holder, Ø 290 mm, without flexible padding, FGE780 4 pieces needed														●	
	34677773 1 piece Velcro tool holder Ø 290 mm, with foam rubber padding, FGE780 4 pieces needed														●	
	34677777 1 piece flexible rubber pad with double-sided Velcro, Ø 290 mm 4 pieces needed Accessory for Velcro tool holder Ø 290 mm (34640832), FGE780														●	
	34677775 1 piece flexible foam rubber pad with double-sided Velcro, Ø 290 mm 4 pieces needed Accessory for Velcro tool holder Ø 290 mm (34640832), FGE780														●	
	34772229 1 piece Velcro-to-EC tool holder*, FGE450 / FGE500 9 pieces needed Accessory for EC tool holder* Ø 160 mm (34779766), for Velcro tools							●		●						
	11018779 Magnetic Work LED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	34704972 1 piece EC tool holder* Ø 180 mm for 3 tools, FGE450B only (TN 11000009) 3 pieces needed							●								
	34703565 1 piece Velcro tool holder Ø 180 mm without flexible padding, FGE450B only (TN 11000009) 3 pieces needed							●								
	34705199 1 piece flexible rubber pad Ø 180 mm with double-sided Velcro 3 pieces needed Accessory for the Velcro tool holder Ø 180 mm (34703565), FGE450B							●								
	34705200 1 piece flexible foam rubber pad Ø 180 mm with double-sided Velcro 3 pieces needed Accessory for the Velcro tool holder Ø 180 mm (34703565), FGE450B							●								

* EC tool holder: tool holder for Tyrolit EasyChange (EC) tools

Diamond tools for floor grinding

Tyrolit offers a full range of tools for the grinding of cementitious floors. The following overview shows the main surface preparation steps. Customers can easily choose the right tool from the respective category according to the nomenclature:

Step	Tyrolit Specification (abbreviation)	Tyrolit Specification	Tool Category
Refurbishing / removal of coatings	FGV	Floor Grinding Various Materials	PCD tools
Rough grinding concrete	FGC	Floor Grinding Concrete	Metal bond tools
Transitional grinding / pre-polishing concrete	FTGC	Floor Transitional Grinding Concrete	Ceramic bond tools
Polishing concrete	FPC	Floor Polishing Concrete	Resin bond tools
Grinding and polishing concrete	FGPC	Floor Grinding & Polishing Concrete	Fibre pads with resin bond segments
Cleaning and maintenance	FMU	Floor Maintenance Universal Materials	Diamond impregnated cleaning pads
Bush hammering	BHU	Bush Hammer Universal Materials	Bush hammer tools

Colour codes

Diamond tools

Colour	Grit size	Colour	Grit size
 Purple	10#	 Blue	200#
 Silver	16#	 Red	400#
 Gold	25#	 White	800#
 Grey	30-40#	 Yellow	1500#
 Brown	50-80#	 Green	3000#
 Black	100-120#	 Neon yellow	PCD

Bush hammer tools

Colour	Result
 Green	For coarse surfaces
 Orange	For medium coarse surfaces
 Yellow	For fine surfaces

Mohs material hardness test

Make your tool selection easier with the Mohs hardness test kit. Soft diamond tools on soft concrete or hard diamond tools on hard concrete is not a good combination. The Mohs Hardness test kit helps you determine the hardness of the concrete surface according to the Mohs scale, making it easier to choose the right tool. This helps you increase productivity and reduce tool wear.

Simply make a scratch on the concrete surface, and you will see what hardness the concrete has according to the Mohs scale. Start testing with the pick with the lowest number and work your way up until you can scratch the surface. Check the number of the pick that made the scratch, and then select your tool based on that. Note: This kit serves only as a guide for choosing your tool.



Mohs Hardness Test Kit / Type number: 34701860

Floor hardness	Soft	Medium	Hard	Very hard	Extra hard
Aggregates	Soft limestone, screed	Hard limestone	Gneiss, quartz	Basalt, granite	Flint, basalt
Mohs scale hardness	2 – 4	4 – 5	6 – 7	7 – 8	7 – 9

Overview floor grinding tools



Floor prep and reconditioning			Bush hammer tools BHU	
PCD tools FGV			Floor texture	
Flooring / coating thickness				
Extra thick (5–7 mm)		-	Coarse	
Thick (3–5 mm)			Medium coarse	
Medium (2–3 mm)			Fine	
Thin (<1 mm)			Available for various floor grinders	

Overview floor grinding tools

Rough grinding								
Metal bond tools FGC								
								
Floor hardness	S Soft	M Medium	H Hard	VH Very hard	XH Extra hard	S Soft	M Medium	H - VH Hard to very hard
Tool type & dimensions	Floor grinding shoe					Cup wheel 125/180 x 22,23 150 x 19 mm (for Hilti DGH150)		
Shape								
10#	•	•						
16#	•	•	•	•	•	•	•	•
25#	•	•	•	•	•			
40#	•	•	•	•	•	•	•	•
80#	•	•	•	•	•	•	•	•
120#	•	•	•	•	•			

	Transitional grinding		Floor polishing			Cleaning & Maintenance	
	Ceramic bond tools FTGC		Resin bond tools FPC		Resin bond pads FGPU	Cleaning pads FMU	
							
Floor hardness	Every floor hardness		S – M / Soft to medium hard	H – XH / Hard to extra hard	Every floor hardness	Every floor hardness	Every floor hardness
Tool type	Puck	Cup wheel	Puck		Polishing pad	Flexible fibre pad with resin bond segments	Diamond impregnated pad
Dimension	80 mm	125 mm/180 mm x 22,23 mm	80 mm		125 mm / 180 mm	180 / 230 / 280 mm	Various diameters
Tool holding type	Velcro	22,23 mm	Velcro				
Shape							
 30#							
 50#							
 100#							
 200#							
 400#							
 800#							
 1500#							
 3000#							

Tool Guide: Rough grinding with Tyrolit floor grinding machines

Besides for Tyrolit floor grinders, this tool guide is also valid for other available floor grinders similar to the ones of Tyrolit. The relevant properties include, for instance, weight and wattage. Tool holder plates for a variety of floor grinders of other manufacturers can be found on page 45.

Weight floor grinder		>150 kg	≤150 kg	≤100 kg
Floor grinder		FGE800* / FGE780* / FGE750* FGE700* / FGE650* / FGE515* FGE500*	FGE450 / FGE400	FGE330 / FGE280 FGE250 / FGE230
Metal bond tools for rough grinding ¹	Screed	 FGC-S	 FGC-S	 FGC-S
	Terrazzo	 FGC-VH	 FGC-VH	 FGC-VH
	Mastic asphalt	 FGC-XH	 FGC-XH	 FGC-XH
	Asphalt	 FGC-S	 FGC-S	 FGC-S
	Concrete floor Mohs hardness 2-3	 FGC-S	 FGC-S	 FGC-S
	Concrete floor Mohs hardness 3-5	 FGC-H	 FGC-M	 FGC-H
	Concrete floor Mohs hardness 5-7	 FGC-VH	 FGC-H	 FGC-VH
	Concrete floor Mohs hardness 7-9	 FGC-XH	 FGC-VH	 FGC-XH
PCD tools ²	Remove coatings (2-4 mm)	 FGV PCD -TR	 FGV PCD-TR	 FGV PCD-TR
	Remove colour and thin coatings (<1 mm)	 FGV Split-PCD	 FGC PCD-QC	 FGV PCD-QC
Bush hammer tools ³	Add structure to mineral floors	 BHU	-	-

* Valid for all variants

¹ Metal bond floor grinding shoes: These tools are available in different grit sizes.

² PCD tools for removing colours and coatings: These tools are available for the use of two directions 'RIGHT' and 'LEFT'. An overview of the assortment and more information regarding the directions and how to apply the tools correctly are to be found on page 36.

³ Bush hammer tools: These tools are available in three different version for three different types of floor structures. All bush hammer tools are to be found from page 44.

FGC Floor grinding shoes with EasyChange (EC) connection

The Tyrolit range of FGC floor grinding shoes comprises tools for the rough grinding of various concrete floors - from screed to concrete with soft to very hard aggregates. They can be used on Tyrolit floor grinders, but also on the grinders of other manufacturers.

★★★
PREMIUM

FGC-S Diamond floor grinding shoe with metal bond segments for rough grinding soft concrete and screed | Segment shape: round



Type no.	Grit size	Segment height
34686575	10#	13
34686576	16#	13
34686577	25#	13
34686578	40#	13
34686579	80#	13
34686580	120#	13

★★★
PREMIUM

FGC-M Diamond floor grinding shoe with metal bond segments for rough grinding medium hard concrete | Segment shape: rhomboid slant



Type no.	Grit size	Segment height
34697231	10#	13
34686568	16#	13
34686570	25#	13
34686571	40#	13
34686573	80#	13
34686574	120#	13

★★★
PREMIUM

FGC-H Diamond floor grinding shoe with metal bond segments for rough grinding hard concrete | Segment shape: rhomboid horizontal



Type no.	Grit size	Segment height
34686540	16#	13
34686564	25#	13
34686565	40#	13
34686566	80#	13
34686567	120#	13



FGC-VH Diamond Floor Grinding Shoe with metal bond segments
for rough grinding very hard concrete | Segment shape: arrow



Type no.	Grit size	Segment height
34685811	16#	13
34685812	25#	13
34685813	40#	13
34686106	80#	13
34686107	120#	13



FGC-XH Diamond floor grinding shoe with metal bond segments
for rough grinding extra hard concrete | Segment shape: rhomboid small



Type no.	Grit size	Segment height
34685766	16#	13
34685767	25#	13
34685768	40#	13
34685769	80#	13
34685770	120#	13



FGC Diamond cup wheels

FGC diamond cup wheels are available for grinding soft, medium hard as well as hard to very hard concrete. They can be used on any standard angle grinder.

★★★
PREMIUM

FGC-S Diamond cup wheel with metal bond segments for rough grinding soft concrete and screed | Turbo segments



	Type no.	Grit size	Dimensions
	34687065	16#	125 × 22.23 mm
	34687066	40#	125 × 22.23 mm
	34687067	80#	125 × 22.23 mm
	34687075	16#	180 × 22.23 mm
	34687076	40#	180 × 22.23 mm
	34687077	80#	180 × 22.23 mm
	34687506	16#	150 × 19 mm
	34687507	40#	150 × 19 mm
	34687508	80#	150 × 19 mm

★★★
PREMIUM

FGC-M Diamond cup wheel with metal bond segments for rough grinding medium hard concrete | Double row segments



	Type no.	Grit size	Dimensions
	34687061	16#	125 × 22.23 mm
	34687063	40#	125 × 22.23 mm
	34687064	80#	125 × 22.23 mm
	34687071	16#	180 × 22.23 mm
	34687073	40#	180 × 22.23 mm
	34687074	80#	180 × 22.23 mm
	34687501	16#	150 × 19 mm
	34687503	40#	150 × 19 mm
	34687504	80#	150 × 19 mm

★★★
PREMIUM

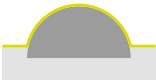
FGC-H Diamond cup wheel with metal bond segments for rough grinding hard to very hard concrete | Arrow segments



	Type no.	Grit size	Dimensions
	34687038	16#	125 × 22.23 mm
	34687039	40#	125 × 22.23 mm
	34687040	80#	125 × 22.23 mm
	34687068	16#	180 × 22.23 mm
	34687069	40#	180 × 22.23 mm
	34687070	80#	180 × 22.23 mm
	34687478	16#	150 × 19 mm
	34687479	40#	150 × 19 mm
	34687480	80#	150 × 19 mm

PCD Tools

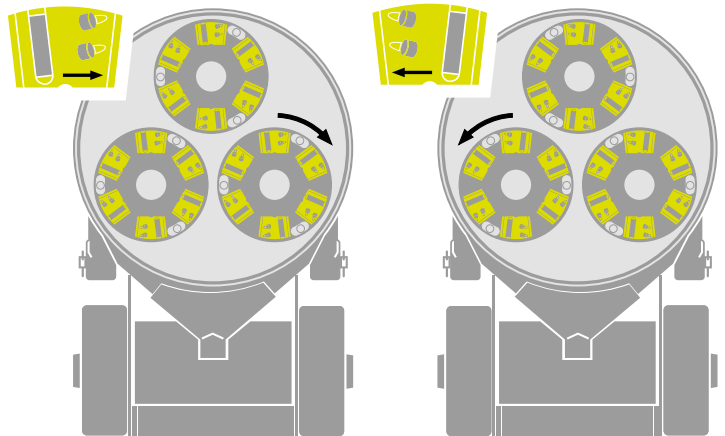
PCD tools are used for removing tenacious and tough material on cementitious floors like coatings, mastic, glues or color finishes. The technical specifications like segment size and quantity match the properties and thickness of those diverse materials.

					
Segment shape	Full circle (FC segment)	Semicircle (SC segment)	Quarter circle (QC segment)	Trapezoid (TR segment)	Cuboid (CU segment)
Tool name	Tiger	Leopard	Cobra	Alligator	Piranha
Properties	Extremely aggressive, removal of extra thick coating (up to 7 mm)	Extremely aggressive, removal of very thick coating (up to 6 mm)	Very aggressive, removal of thick coating (3-5 mm)	Very aggressive, removal of thick coating (3-5 mm), creates a rather smooth surface	Very aggressive, removal of thin coating (2-3 mm)

Direction of PCD tools

PCD tools must be used in a specific direction (with the exception of Split PCD tools). The directions “right” and “left” refer to the rotational direction of the tool holder plates when looking at them when the floor grinder is tilted back.

RIGHT = clockwise direction
LEFT = anti-clockwise direction



Rotational direction and required quantities of PCD tools:

Floor grinder	Number of grinding heads	Rotational direction	Number of tools, half set	Number of tools, full set
FGE230	1	right	3x right	6x right
FGE250	1	left	-	1 x 250 mm plate
FGE280	1	right	3x right	6x right
FGE 330M1	1	right	3x right or 6x right	9 x right
FGE 330M1V	1	right or left (reversible)	3x or 6x, right or left	9x right or left
FGE400	1	right or left (reversible)	3x or 6x, right or left	9x right or left
FGE450M3	3	right	-	9 x right
FGE450M3V	3	right or left (reversible)	-	9x right or left
FGE500*	3	right or left (reversible)	-	9x right or 9x left
FGE515	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE650*	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE700*	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE750	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE780, 3 heads	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE780, 4 heads	4	right or left (reversible)	6x right AND 6x left	24x right or 24x left
FGE800*	3	right or left (reversible)	9x right or 9x left	18x right or 18x left

*All variants

FGV-PCD Floor grinding shoes with EasyChange (EC) connection

FGV-PCD floor grinding shoes are perfect for the removal of coatings and can be used on floor grinders.



FGV PCD-FC Floor grinding shoe "Tiger" for removing coatings and persistent materials on mineral surfaces | Full circle PCD segments (FC segments)



Application:

- + Removal of coatings (up to 7 mm thick) on cementitious surfaces
- + Materials: epoxy and other resin based coatings, MMA, glue, mastic
- + Developed for heavy floor grinders (300 - 600 kg), e.g. Tyrolit FGE780
- + Also suitable for smaller floor grinders

Features:

- + Very aggressive performance due to full circle shaped segments (FC segment shape)



Type no.	Number PCD Segments	Rotational direction	Segment shape
34783281	2	right	FC
34783282	2	left	FC
34783283	1 + prot. seg.	right	FC
34783284	1 + prot. seg.	left	FC
34783285	1	right	FC
34783286	1	left	FC



FGV PCD-SC Floor grinding shoe "Leopard" for removing coatings and persistent materials on mineral surfaces | Semicircle PCD segments (SC segments)



Application:

- + Removal of coatings (up to 6 mm thick) on cementitious surfaces
- + Materials: epoxy and other resin based coatings, MMA, glue, mastic
- + Developed for heavy floor grinders (300 - 600 kg), e.g. Tyrolit FGE780
- + Also suitable for smaller floor grinders

Features:

- + Very aggressive performance due to the semicircle segment shape (SC segment shape)



Type no.	Number PCD Segments	Rotational direction	Segment shape
34783287	2 + 2 prot. seg.	right	SC
34783288	2 + 2 prot. seg.	left	SC
34783289	2	right	SC
34783290	2	left	SC



FGV PCD-TR Floor grinding shoe "Alligator" for removing coatings and persistent materials on mineral surfaces | Trapezoidal PCD segments (TR segments)



Application:

- + Removal of coatings (3 to 5 mm thick) on mineral surfaces. Materials: epoxy and other resin-based coatings, MMA, glue, mastic
- + 5 PCD segments: Developed for heavy floor grinders (300 - 600 kg), e.g. Tyrolit FGE780. Also suitable for smaller floor grinders, for an even and smooth surface
- + 2 PCD segments: Ideal for light to medium-duty machines (70 - 200 kg) such as the FGE280 or FGE515 from Tyrolit. Also suitable for large machines (300 - 600 kg) for extremely aggressive grinding performance

Features:

- + Very aggressive performance due to the trapezoid segment shape (TR segment shape)
- + The protection segment provides a smooth working process and an even surface along with long product life



Type no.	Number PCD Segments	Rotational direction	Segment shape
34687762	5 + prot. seg.	right	TR
34687763	5 + prot. seg.	left	TR
34687765	2 + prot. seg.	right	TR
34687766	2 + prot. seg.	left	TR



FGV PCD-QC Floor grinding shoe "Cobra"

For removing coatings and stubborn materials from mineral surfaces | Quarter circle PCD segments (QC segments)



Application:

- + Removal of coatings (up to 3 mm thick) on cementitious surfaces
Materials: epoxy and other resin coatings, MMA, glue, mastic
- + Developed for lighter to medium heavy machines (70 -200 kg), e.g. Tyrolit FGE280 or FGE515
- + Also suitable for heavier floor grinders (300 -600 kg), for a very aggressive performance

Features:

- + Long product life and aggressive performance due to the round segment shape (QC segment shape)
- + The protection segment provides a smooth working process and an even surface along with long product life

	Type no.	Number PCD Segments	Rotational direction	Segment shape
	34687767	2 + prot. seg.	right	QC
	34687768	2 + prot. seg.	left	QC



FGV SPLIT-PCD Floor grinding shoe with split PCD segments

for removing coatings and persistent materials on mineral surfaces | split PCD segments



Application:

- + Removal of coatings (1-2 mm thick) on cementitious surfaces
Materials: epoxy and other resin coatings, MMA, glue, mastic, color finish
- + Developed for all kind of floor grinders independent of their weight and electrical power

Features:

- + Aggressive performance on thin coatings due to the sharp diamond splits (PCD split)
- + Segments with a height of 13 mm for a long product life

	Type no.	Number PCD Segments	Segment height
	34687769	2	13 mm



FGV PCD-CU Floor grinding shoe "Piranha"

for removing coatings and persistent materials on mineral surfaces | Cuboid PCD segments (CU segments)



Application:

- + Removal of thin coatings (1-2 mm thick) on cementitious surfaces
- + Materials: epoxy and other resin coatings, MMA, glue, mastic

Features:

- + Very aggressive performance but very smooth results, due to the small cuboid segments (CU segment shape)

	Type no.	Number PCD Segments	Rotational direction	Segment shape
	34783291	9	right	CU
	34783292	9	left	CU

FGV-PCD cup wheels

The range of FGV-PCD cup wheels comprises cup wheels for the removal of 1–3 mm thick coatings on cementitious surfaces.



FGV PCD-QC Cup wheel "Cobra"

for removing coatings and persistent materials on mineral surfaces | Quarter circle PCD segments (QC segments)



Application:

- + Removal of coatings (up to 3 mm thick) on cementitious surfaces
Materials: epoxy and other resin coatings, MMA, glue, mastic
- + For the use on all standard angle grinders and handheld concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

- + Long product life and aggressive performance due to the round segment shape (QC segment shape)
- + Protection segments provide a smooth working process and an even surface along with long product life

	Type no.	Dimensions	Number PCD Segments	Segment shape
	34687770	125 mm × 22.23 mm	4	QC
	34687784	150 mm × 19 mm	5	QC



FGV PCD-CU Cup wheel "Piranha"

for removing coatings and persistent materials on mineral surfaces | Cuboid PCD segments (CU segments)



Application:

- + Removal of coatings (1-2 mm thick) on cementitious surfaces
Materials: epoxy and other resin coatings, MMA, glue, mastic
- + For the use on all standard angle grinders and handheld concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

- + Very aggressive performance due to the small, cuboid segment shape (CU segment shape)
- + Long product life due to a high quantity of PCD segments (15 or 16 segments)

	Type no.	Dimensions	Number PCD Segments	Segment shape
	34687781	125 mm × 22.23 mm	15	CU
	34687783	150 mm × 19 mm	16	CU



FGV SPLIT-PCD Cup wheel with split PCD segments

for removing coatings and persistent materials on mineral surfaces | split PCD segments



Application:

- + Removal of coatings (1-2 mm thick) on cementitious surfaces
Materials: epoxy and other resin coatings, MMA, glue, mastic, color finish
- + For the use on all standard angle grinders and handheld concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

- + Aggressive performance on thin coatings due to the sharp diamond splits (PCD split)

	Type no.	Dimensions	Number PCD Segments
	34687782	125 mm × 22.23 mm	6
	34687785	150 mm × 19 mm	7

Ceramic bond tools

The following tools are perfect for transitional grinding and removing scratches on concrete or terrazzo floors.



FTGC Ceramic bond diamond tool for transitional grinding of concrete and terrazzo



Application:

- + Removal of scratches on concrete or terrazzo surfaces as a transition to the polishing process
- + Velcro tool, to be used with a Velcro tool holder on all kinds of floor grinders.

Features:

- + Very effective performance for the removal of the scratches caused by metal bond tools
- + For concrete with aggregates of any hardness (soft to extremely hard)



Type no.	Grit size	Diameter	Tool holding type
34686560	30#	80 mm	Velcro
34686671	50#	80 mm	Velcro
34686672	100#	80 mm	Velcro
34686673	200#	80 mm	Velcro
34778562	400#	80 mm	Velcro



FTGC Ceramic bond diamond cup wheel for transitional grinding of concrete and terrazzo



Application:

- + Removal of scratches on concrete or terrazzo surfaces as a transition to the polishing process
- + For the use on all standard angle grinders and handheld concrete grinders

Features:

- + Very effective performance for the removal of the scratches caused by metal bond tools
- + For concrete with all types of hardness (from soft to extremely hard)
- + No additional tool holder necessary, as the cup wheel is mounted directly on the grinding machine



Type no.	Grit size	Diameter
34687010	30#	125 x 22.23 mm
34687031	50#	125 x 22.23 mm
34687032	100#	125 x 22.23 mm
34687033	200#	125 x 22.23 mm
34687034	30#	180 x 22.23 mm
34687035	50#	180 x 22.23 mm
34687036	100#	180 x 22.23 mm
34687037	200#	180 x 22.23 mm

Resin bond tools

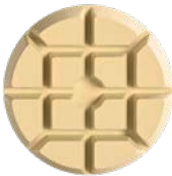
Resin bond diamond tools are perfect for polishing concrete and Terrazzo floors, giving them a glossy finish.

★★★
PREMIUM

FPC Resin bond diamond tool
for polishing soft to medium hard concrete and terrazzo



- Application:**
 - + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
 - + With velcro, for the use on all standard angle grinders and handheld concrete grinders
- Features:**
 - + High gloss in few polishing steps

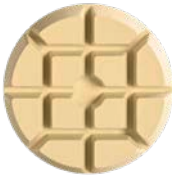
	Type no.	Grit size	Diameter	Tool holding type
	34686690	50#	80 mm	Velcro
	34686751	100#	80 mm	Velcro
	34686752	200#	80 mm	Velcro
	34686753	400#	80 mm	Velcro
	34686754	800#	80 mm	Velcro
	34686755	1500#	80 mm	Velcro
	34686757	3000#	80 mm	Velcro

★★★
PREMIUM

FPC Resin bond diamond tool
for polishing hard to very hard concrete and terrazzo



- Application:**
 - + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
 - + With velcro, for the use on all standard angle grinders and handheld concrete grinders
- Features:**
 - + High gloss in few polishing steps

	Type no.	Grit size	Diameter	Tool holding type
	34687509	50#	80 mm	Velcro
	34687512	100#	80 mm	Velcro
	34687513	200#	80 mm	Velcro
	34687514	400#	80 mm	Velcro
	34687515	800#	80 mm	Velcro
	34687516	1500#	80 mm	Velcro
	34687517	3000#	80 mm	Velcro



FPC Resin bond diamond tool for polishing concrete and terrazzo



Application:

- + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
- + For the use on all standard angle grinders and handheld concrete grinders

- + For the use on an angle or hand-held concrete grinder, a velcro backer pad is to be used.

Features:

- + High gloss in few polishing steps

	Type no.	Grit size	Diameter	Tool holding type
	34687518	50#	125 mm	Velcro
	34687519	100#	125 mm	Velcro
	34687520	200#	125 mm	Velcro
	34687521	400#	125 mm	Velcro
	34687522	800#	125 mm	Velcro
	34687523	1500#	125 mm	Velcro
	34687524	3000#	125 mm	Velcro
	34687525	50#	180 mm	Velcro
	34687526	100#	180 mm	Velcro
	34687527	200#	180 mm	Velcro
	34687528	400#	180 mm	Velcro
	34687529	800#	180 mm	Velcro
	34687530	1500#	180 mm	Velcro
	34687531	3000#	180 mm	Velcro



FGPU Grinding and polishing pad with resin bond diamond segments for various applications on concrete, terrazzo and many other surfaces



Application:

- + For grinding and polishing using the floor grinder on various floors, e.g. concrete, stone, coated floors, screed
- + For repair or retouch of: - small defects or scratches occurring later in the grinding or polishing process - removing of damages or tenacious impurities on (semi) finished floors - paint or concrete splatters, scratches or chippings

Features:

- + Ideal tool for polishing floors with cream finishing (without visible aggregates)
- + Ideal for grinding and polishing of uneven floors, due to the flexible fibre structure of the pads

	Type no.	Grit size	Diameter	Tool holding type
	34784229	50#	125 mm	Velcro
	34784230	100#	125 mm	Velcro
	34784271	200#	125 mm	Velcro
	34784272	400#	125 mm	Velcro
	34784273	800#	125 mm	Velcro
	34784274	1500#	125 mm	Velcro
	34784275	3000#	125 mm	Velcro
	34705565	50#	180 mm	Velcro
	34705566	100#	180 mm	Velcro
	34705567	200#	180 mm	Velcro
	34705569	400#	180 mm	Velcro
	34705570	800#	180 mm	Velcro
	34705581	1500#	180 mm	Velcro
	34705582	3000#	180 mm	Velcro
	34784276	50#	210 mm	Velcro
	34784277	100#	210 mm	Velcro
	34784278	200#	210 mm	Velcro
	34784279	400#	210 mm	Velcro
	34784280	800#	210 mm	Velcro
	34784281	1500#	210 mm	Velcro
	34784282	3000#	210 mm	Velcro



FGPU Grinding and polishing pad with resin bond diamond segments

for various applications on concrete, terrazzo and many other surfaces



Type no.	Grit size	Diameter	Tool holding type
34687789	50#	230 mm	Velcro
34687790	100#	230 mm	Velcro
34687801	200#	230 mm	Velcro
34687803	400#	230 mm	Velcro
34687804	800#	230 mm	Velcro
34687805	1500#	230 mm	Velcro
34687807	3000#	230 mm	Velcro
34687808	50#	280 mm	Velcro
34687809	100#	280 mm	Velcro
34687810	200#	280 mm	Velcro
34687811	400#	280 mm	Velcro
34687812	800#	280 mm	Velcro
34687813	1500#	280 mm	Velcro
34687814	3000#	280 mm	Velcro
34784283	50#	330 mm	Velcro
34784284	100#	330 mm	Velcro
34784285	200#	330 mm	Velcro
34784286	400#	330 mm	Velcro
34784287	800#	330 mm	Velcro
34784288	1500#	330 mm	Velcro
34784289	3000#	330 mm	Velcro

Diamond Pads for polishing and maintenance

FMU diamond pads can be used for the maintenance and cleaning of finished floors, but also for the revival of old floors.



FMU Diamond maintenance pad

for polishing and maintaining mineral surfaces



Application:

- + For maintenance and cleaning of finished floors, e.g. concrete or stone floors, screed, coated floors
- + For the revival of older floors: cleaning and burnishing up to a high gloss finish
- + For the use with cleaning machines or high speed burnishers



Type no.	Grit size	Diameter	Tool holding type
34688940	400#	430 mm	Velcro
34688961	800#	430 mm	Velcro
34688962	1500#	430 mm	Velcro
34688963	3000#	430 mm	Velcro
34688964	400#	500 mm	Velcro
34688965	800#	500 mm	Velcro
34688966	1500#	500 mm	Velcro
34688967	3000#	500 mm	Velcro
34688968	400#	685 mm	Velcro
34688969	800#	685 mm	Velcro
34688970	1500#	685 mm	Velcro
34688971	3000#	685 mm	Velcro

Bush hammer tools

BHU bush hammer tools can be used on various mineral surfaces, such as concrete, asphalt or stone. They are available for Tyrolit floor grinders as well as for the machines of other manufacturers.



BHU Bush hammer tool

for machining various mineral surfaces such as concrete, asphalt or stone



Type no.	Structure	Machine	Number of rolls
34567495	coarse	Tyrolit FGE515	3
34567497	medium coarse	Tyrolit FGE515	3
34567499	fine	Tyrolit FGE515	3
34567521	medium coarse	Tyrolit FGE780	6
34567522	mittel	Tyrolit FGE780	6
34567523	fine	Tyrolit FGE780	6



BHU Bush hammer tool for machines of other manufacturers

for machining various mineral surfaces such as concrete, asphalt or stone

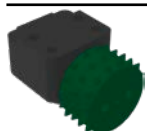


Type no.	Structure	Machine	Number of rolls
34511286	coarse	Blastrac / Diamatic	3
34511292	medium	BMG 535 / 555 / 580 PRO	3
34511298	fine	185 mm	3
34511301	coarse	Blastrac / Diamatic	5
34511302	medium	BMG 735 / 780 PRO+RS / 2200	5
34511303	fine	240 mm	5
34510513	coarse	HTC 500 / 650 / Duratig 5/ 6 / 550 Grey I.	3
34511289	medium	Schwaborn DSM 530 / 650	3
34511295	fine	230 mm	3
34511305	coarse	HTC 800 / 950 / 1500 / 2500 / Duratig 8	6
34511306	medium	Schwaborn DSM 800	6
34511307	fine	270 mm	6
34510875	coarse	Lavina Elite Serie	3
34511290	medium	225 mm	3
34511296	fine		3
34511285	coarse	Lavina X- Serie	3
34511291	medium	Janser TRI-VARO 500 / 650	3
34511297	fine	225 mm	3
34511287	coarse		3
34511293	medium	Scanmaskin 650	3
34511299	fine	220 mm	3
34511288	coarse		3
34511294	medium	Scanmaskin 700, 800, 1000	3
34511300	fine	240 mm	3



BHU Bush hammer tool spare part

for machining various mineral surfaces such as concrete, asphalt or stone



Type no.	Structure	Number of rolls
34511308	coarse	1
34511309	medium coarse	1
34511310	fine	1

Accessories & Adapters

Choose from a great range of tool holders for various Tyrolit machines as well as for machines of other manufacturers.



Tool holder plate for Tyrolit machines for Tyrolit floor grinding shoes



Type no.	Machine	Diameter	No. of connections
34511140	FGE280	280 mm	6
34779770	FGE330	330 mm	9
34511139	FGE400	400 mm	9
34704972	FGE450B	180 mm	3
34784290	FGE450M3 / 500	160 mm	3
34567446	FGE515	230 mm	6
34784291	FGE650 / 700	220 mm	6
34567448	FGE780	290 mm	6
34784292	FGE750 /800	280 mm	6



Velcro tool holder for Velcro tools



Type no.	Machine	Diameter
34703565	FGE450B	180 mm
34784293	FGE450M3 / 500	160 mm
34784298	FGE330	330 mm
34637280	FGE515	230 mm
34677772	FGE515 with foam rubber padding	230 mm
34784294	FGE650 / 700	220 mm
34784295	FGE650 / 700 with foam rubber padding	220 mm
34640832	FGE780	290 mm
34677773	FGE780 with foam rubber padding	290 mm
34784296	FGE750 /800	280 mm
34784297	FGE750 /800 with foam rubber padding	280 mm
34687078	EC-to-Velcro-Holder (lippage holder)	80 mm



Flexible pad with double-sided Velcro for additional flexibility of Velcro tool holder plates



Type no.	Material	Diameter
34705199	Rubber	160 mm
34784299	Rubber	220 mm
34677776	Rubber	230 mm
34784300	Rubber	280 mm
34677777	Rubber	290 mm



Velcro tool holder for angle grinders with M14 connection



Type no.	Material	Diameter
34703857	Aluminium	125 mm
34703858	Rubber	125 mm
34703859	Plastic	125 mm
34703860	Aluminium	180 mm
34703881	Rubber	180 mm
34703882	Plastic	180 mm



Tool holders for machines of other manufacturers for Tyrolit floor grinding shoes



Type no.	Manufacturer	Diameter	No. of connections
34511134	DIAMATIC	185 mm	3
34511135	DIAMATIC	240 mm	3
34511136	HUSQVARNA	180 mm	3
34511137	HUSQVARNA	230 mm	6
34511138	HUSQVARNA	270 mm	6
34511141	SCANMASKIN	160 mm	6
34511142	SCANMASKIN	212 mm	3
34511143	SCANMASKIN	240 mm	6
34511144	SCANMASKIN	330 mm	9
34511145	SCHWAMBORN	180 mm	6
34511146	SCHWAMBORN	200 mm	3
34511150	PREPMASTER	-	1
34511416	HTC	180 mm	3
34511417	HTC	230 mm	6
34511418	HTC	270 mm	6
34512044	SCHWAMBORN	160 mm	6
34512046	SCHWAMBORN LOVEJOY*	250 mm	6
34556534	SCHWAMBORN SGFLEX**	250 mm	6
34512047	SCHWAMBORN	400 mm	9
34691342	CONTEC Omega 450	450 mm	6
34691343	MKS-PDG5000	200 mm	3
34705213	BLASTRAC BG250	250 mm	3

* for Schwamborn floor grinders with a 250 mm tool holder plate and Lovejoy connection (production before July 2020).

** for Schwamborn floor grinders with a 250 mm tool holder plate and SGFlex connection (production after July 2020).



Mohs Hardness test kit for defining floor hardness



Type no.

34701860

Power trowels



Power trowels

Power trowels are versatile finishing machines used to smoothen, compact and refine surfaces such as stone carpets, resin or microcement floorings. Equipped with multiple interchangeable blade types, they can adapt to various applications and material behaviors.

Their stable design and ergonomic handling allow precise control, while battery-powered or electric models provide flexibility on site. With adjustable speed and a dedicated trowel disc, power trowels deliver a consistent, uniform finish and prepare the surface for subsequent sealing or coating steps.

Machines



For comprehensive machine information, please scan the QR code and download the machine flyers.

Machines	FTE475	FTB475
Voltage	230 V	24 V DC
		
Quality line	PREMIUM ★★★	PREMIUM ★★★
Type No.	11012863	11012864
Nominal power	0.2 kW	0.35 kW
Nominal current	6 A	Battery powered (approx. 3-4 A)
Frequency	50 Hz	-
Dimensions (L / W / H)	25 / 55 / 149 mm	25 / 55 / 149 mm
Weight	13.5 kg	13.5 kg (9.7 kg Battery Pack)
Features	+ Variable speed	+ Variable speed

Tools & Accessories

Type No.	Description	FTE475	FTB475
Accessories			
	11018767 Battery belt complete		●
	11018768 Battery 12V 15Ah		●
	11018769 Battery charger for 24V battery		●
	11018770 Stone carpet blades (10 pcs needed, ordering 1 set, 10 pcs)	●	●
	11018811 White flex plastic stone carpet blades (10 pcs needed, ordering 1 set, 10 pcs)	●	●
	11018812 White plastic flex trowel blades (20 pcs needed, ordering 1 set, 20 pcs)	●	●
	11018813 Grey plastic trowel blades (20 pcs needed, ordering 1 set, 20 pcs)	●	●
	11018815 Compact trowel blades (20 pcs needed, ordering 1 set, 20 pcs)	●	●
	11018817 Standard trowel blades (20 pcs needed, ordering 1 set, 20 pcs)	●	●
	11018818 Empty trowel disc	●	●

● Scope of delivery

● Accessory (optional)

Blade Options

Tyrolit offers different blades for various applications for both electric and battery-powered power trowels.

Grey plastic

Designed for floors where you scatter the sand into the slurry and then trowel to a smooth surface. It is quiet and gives the best looking surface.

Compact blades (made of steel)

Designed for floors where you scatter the sand into the slurry and then trowel to a smooth surface. Steel blades are faster than plastic, but they produce more noise and may cause light 'trowel-roses' on the finished surface.

White flex blades

Designed for systems where sand and epoxy are mixed into a mortar and applied to the floor using a screed box. Also works very well for a scatter-system when a compact steel blade is used behind each white flex blade.

Standard blades

Designed for systems where sand and epoxy are mixed into a mortar and applied to the floor using a screed box.

Stone carpet blades

Designed for 'stone carpet' systems, using aggregates in sizes 1–3 mm, 3–4 mm, and 4–6 mm. Also works very well for troweling epoxy terrazzo floors.

Dust extraction systems



For comprehensive machine information, please scan the QR code and download the machine flyers.



Machines	VCE1200D	VCE1200D	VCE2400D	VCE2400D
Voltage	230 V	110 V	230 V	110 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11001200	11003800	11002300	11002200
Nominal power	1.2 kW	1.2 kW	2.4 kW	2.4 kW
Nominal current	5 A	9 A	10 A	18 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Hose size	1.5" (38 mm)	1.5" (38 mm)	2" (50 mm)	2" (50 mm)
Airflow	200 m³/h	200 m³/h	400 m³/h	400 m³/h
Air pressure	220 mbar	220 mbar	220 mbar	220 mbar
Dimensions (L / W / H)	426 / 704 / 1115 mm	426 / 704 / 1115 mm	544 / 729 / 1318 mm	544 / 729 / 1318 mm
Weight	36 kg	36 kg	59 kg	59 kg
Pre-filter size	1.5 m²	1.5 m²	3 m²	2.8 m²
Features	+ Longopac + H13 HEPA filter + Jet pulse	+ Longopac + H13 HEPA filter + Jet pulse	+ Longopac + H13 HEPA filter + Jet pulse	+ Longopac + H13 HEPA filter + Jet pulse

Machines	VCE3600D	VCE3600D	VCE7500D	VCE7590DP
Voltage	230 V	110 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11003600	11003900	11008465	11005900
Nominal power	3.6 kW	2.4 kW	7.5 kW	7.5 kW
Nominal current	15 A	18 A	16 A	16 A
Frequency	50 Hz	50 Hz	50 - 60 Hz	50 - 60 Hz
Hose size	2" (50 mm)	2" (50 mm)	3" (78 mm)	3" (76 mm)
Airflow	600 m³/h	485 m³/h	700 m³/h	782 m³/h
Air pressure	220 mbar	180 mbar	270 mbar	225 mbar
Dimensions (L / W / H)	544 / 860 / 1459 mm	544 / 860 / 1459 mm	1163 / 657 / 1680 mm	1500 / 750 / 1990 mm
Weight	69 kg	69 kg	235 kg	340 kg
Pre-filter size	4.5 m²	4.2 m²	2.6 m²	4.2 m²
Features	+ Longopac + H13 HEPA filter + Jet pulse	+ Longopac + H13 HEPA filter + Jet pulse	+ Longopac + H13 HEPA filter + Sock-filter + Jet pulse	+ Height-adjustable cyclone + H14 HEPA filter + Frequency control + Longopac + 32 teflon polyester sock filters + Built-in pre-separator + Jet pulse

Machines	VCE3000C LP	VCE3000C CT	VCE5522C LP	VCE5522C CT
Voltage	400 V	400 V	400 V	400 V
				
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11008102	11008101	11009754	11002933
Nominal power	3 kW	3 kW	5.5 kW	5.5 kW
Nominal current	10.2 A	10.2 A	10.5 A	10.5 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Hose size	3" (76 mm) / 125 mm	3" (76 mm) / 125 mm	2" (50 mm)/3" (76 mm)/125 mm	2" (50 mm)/3" (76 mm)/125 mm
Airflow	1620 m³/h	1620 m³/h	2280 m³/h	2280 m³/h
Air pressure	86 mbar	86 mbar	101.5 mbar	101.5 mbar
Dimensions (L / W / H)	1530 / 790 / 1450 mm	1530 / 790 / 1450 mm	1050 / 790 / 1650 mm	1050 / 790 / 1650 mm
Weight	284 kg	275 kg	385 kg	392 kg
Pre-filter size	6 m² (3 x 2 m²)	6 m² (3 x 2 m²)	10 m² (5 x 2 m²)	10 m² (5 x 2 m²)
Features	+ Compressor + Automatic filter cleaning system + Longopac	+ Compressor + Automatic filter cleaning system + Container	+ Compressor + Automatic filter cleaning system + Longopac	+ Compressor + Automatic filter cleaning system + Container

Machines	VCE7522C LP	VCE7522C CT	VPM600UC
Voltage	400 V	400 V	-
			
Quality line	PREMIUM ★★★	PREMIUM ★★★	PREMIUM ★★★
Type No.	11009401	11009402	11008466
Nominal power	7.5 kW	7.5 kW	-
Nominal current	13.9 A	13.9 A	-
Frequency	50 Hz	50 Hz	-
Hose size	3" (76 mm)/125 mm/150 mm	3" (76 mm)/125 mm/150 mm	2" (50 mm)
Airflow	3720 m³/h	3720 m³/h	up to 600 m³/h
Air pressure	87 mbar	87 mbar	-
Dimensions (L / W / H)	1365/760/1770 mm	1385/785/1400 mm	570 / 480 / 1430 mm
Weight	440 kg	449 kg	30 kg
Pre-filter size	14 m² (7 x 2 m²)	14 m² (7 x 2 m²)	-
Features	+ Compressor + Automatic filter cleaning system + Longopac	+ Compressor + Automatic filter cleaning system + Container	+ Suitable for wet and dry use + Cyclone technology

Overview Recommended Vacuums

Please note that the recommended vacuum can vary for different applications.

Machine Group	Machinetypes	VCE1200	VCE2400D	VCE3600D	VCE3600D+ VPM600UC	VCE3000C	VCE5522C	VCE7522C	VCE7500	VCE7590
Floor Grinders	FGE230*	●	●	●						
	FGE250*	●	●	●						
	FGE280*	●	●	●						
	FGE330 230V*		●	●	●					
	FGE330 400V*		●	●	●					
	FGE400*		●	●	●					
	FGE450*		●	●	●					
	FGE500*			●	●	●				
	FGE515*			●	●	●				
	FGx650*			●	●				●	
	FGE700*					●			●	●
	FGE750M3V				●				●	●
	FGE780*						●		●	●
	FGE800*						●		●	●
Scarifiers & shavers	FPE200*		●	●	●					
	FPG200*		●	●	●					
	FPE250*			●	●				●	
	FPG250*			●	●				●	
	FPE320*					●	●			●
	FPG320*					●	●			●
	FPE340						●	●		
Shot Blasters	FBE200 230V			●	●					
	FBE200 400V*			●	●					
	FBE225*					●	●	●		
	FBE300*					●	●	●		
	FBE350*						●	●		
	FBE500*						●	●		
	FBE560*						●	●		
Scrapers	No vacuums									
Power Trowels	No vacuums									

* All variants

● #1 recommended vacuum

● #2 recommended vacuum (alternative)

● #3 recommended vacuum (alternative)



Accessories

Type No.	Description	VCE1200D	VCE2400D	VCE3600D	VPM600UC	VCE3000C CT	VCE3000C LP	VCE5522C CT	VCE5522C LP	VCE7500D	VCE7522C CT	VCE7522C LP	VCE7590DP
Accessories													
	11002364 Continuous dust bag (1 pc needed, ordering 1 box, 4 pcs)	● ●	● ●	● ●	● ●		● ●		● ●	● ●		● ●	
	11005003 PAXXO Longopac mega-strong (1 pc needed, ordering 1 box, 4 pcs)	●	●	●	●		●		●	●		●	
	11008524 PAXXO Longopac mega-strong for asbestos removal (1 pc needed, ordering 1 box, 4 pcs)	●	●	●	●		●		●	●		●	
	11005004 Pre-filter VCE1200D	● ●											
	11005011 Pre-filter VCE2400D		● ●										
	11005016 Pre-filter VCE3600D			● ●									
	11005005 HEPA filter 1 pc 1 pc needed for VCE1200D 2 pcs needed for VCE2400D 3 pcs needed for VCE3600D	● ●	● ●	● ●									
	11005006 D38 Hand tube	● ●											
	11006835 D38 Floor nozzle	● ●											
	11008478 D38 Floor nozzle rubber lips (2 pcs)	● ●											
	11005007 D38 Floor nozzle with brush strips	● ●											
	11008477 D38 Floor nozzle brush strips (2 pcs)	●											
	11008348 D38 Hose 7.5 m with 2 hose cuffs	● ●											
	11006213 D38 Round brush	● ●											

Type No.	Description	VCE1200D	VCE2400D	VCE3600D	VPM600UC	VCE3000C CT	VCE3000C LP	VCE5522C CT	VCE5522C LP	VCE7500D	VCE7522C CT	VCE7522C LP	VCE7590DP
Accessories													
	11006214 D38 Crevice tool	●											
	11006965 D38 Hose cuff	●											
	11006216 Camlock adapter male 1.5", with connection tube 1.5"	●											
	11018884 Camlock 1.5"/2" - male/female	●											
	11018883 Camlock 2"/3" - male/female		●	●	●								
	11008535 Hose D50 anti static, 2.5 m w/o hose cuffs				●					●			
	11008508 Hose D 50 mm 2.5 m with 2 hose cuffs				●					●			
	11005012 D50 Hand tube for brush 11005013	●	●							●			
	11005013 D50 Floor brush for hand tube 11005012	●	●							●			
	11006212 Brush strip for floor brush 11005013	●	●							●			
	11008470 Rubber lips for brush 11005013	●	●							●			
	11006215 D50 Crevice tool, aluminium	●	●							●			
	11007272 D50 Hose anti static 7.5m with two hose cuffs	●	●							●			
	11006966 D50 Hose cuff	●	●	●						●			

Type No.	Description	VCE1200D	VCE2400D	VCE3600D	VPM600UC	VCE3000C CT	VCE3000C LP	VCE5522C CT	VCE5522C LP	VCE7500D	VCE7522C CT	VCE7522C LP	VCE7590DP
Accessories													
	11005676	Camlock adapter female 2", with connection tube 2"	●	●						●			
	11005015	Camlock adapter male 2", with connection tube 2"	●	●	●					●			
	11006963	Camlock adapter male 3", with connection tube 3"								●			
	11008534	Hose D78 12 m				●	●	●	●	●			●
	11008506	Clamp 3" 2 pieces								●			
	11007382	Camlock adapter female 3", with connection tube 3"								●			●
	11008507	3"/2" - male/female								●			
	11008533	3" Male camlock with 2" connection tube								●			
	11004016	Dust hose Ø 50 mm (10 m)				●	●						
	11004017	Dust hose Ø 70 mm (15 m)											
	11002992	Dust hose Ø 125 mm (15 m)				●	●	●	●		●	●	
	11004018	Dust hose Ø 150 mm (15 m)									●	●	
	11004032	D50 hand tube for suction nozzle for 11004033				●	●	●	●		●	●	
	11004033	D50 suction nozzle for 11004032				●	●	●	●		●	●	

Type No.	Description	VCE1200D	VCE2400D	VCE3600D	VPM600UC	VCE3000C CT	VCE3000C LP	VCE5522C CT	VCE5522C LP	VCE7500D	VCE7522C CT	VCE7522C LP	VCE7590DP
Accessories													
	11004031 Adaptor 80/70 mm					●	●	●	●				
	11004030 Adaptor 80/50 mm					●	●	●	●				
	11004021 Adaptor 70/50 mm					●	●	●	●				
	11004020 Filter cartridge 1 pc VCE3000C - 3 pcs needed VCE5522C - 5 pcs needed VCE7522C - 7 pcs needed					●	●	●	●		●	●	
	11003999 HEPA upgrade VCE3000C					●	●						
	11003997 HEPA upgrade VCE5522C							●	●				
	11003998 HEPA upgrade VCE7522C										●	●	
	11008542 Pre-filters VCE7500D 1 pc, 15 pcs needed									●			
	11008543 HEPA filter VCE7500 1 pc, 2 pcs needed									●			
	11018819 Longopac Midi holder												●
	10994401 PAXXO Longopac Midi Mega Strong 1x 25m (1 pc needed - ordering 1 box, 4 pcs)												●
	11018771 Sock-filter with spring 1 pcs, 32 filters needed												●
	11018772 Main filter complete (incl. 32 filter)												●
	11018773 D50 mm steel tube L-shape												●

Type No.	Description	VCE1200D	VCE2400D	VCE3600D	VPM600UC	VCE3000C CT	VCE3000C LP	VCE5522C CT	VCE5522C LP	VCE7500D	VCE7522C CT	VCE7522C LP	VCE7590DP
Accessories													
	11018774 D50 floor nozzle 450 mm for 11018773												●
	11018775 Camlock adapter 3" female 50 mm												●
	11018776 Hose 50 mm, 10 m, with hosecuff												●
	11017756 Camlock inlet 3" machine side												●
	11018777 Hepa filter H14 VCE7590DP												●
	11018778 Rubber flap valve												●

Chemicals & impregnation

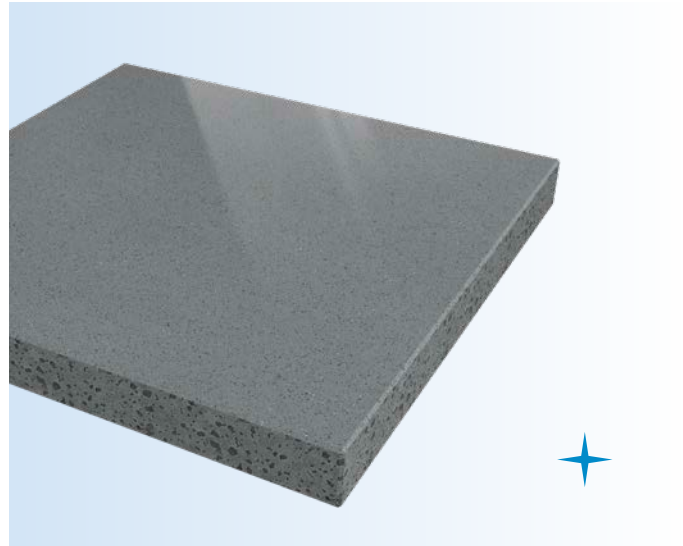


Floor grinding chemicals

1. Rough grinding

Metal bond tools with grit size from 16 – 120

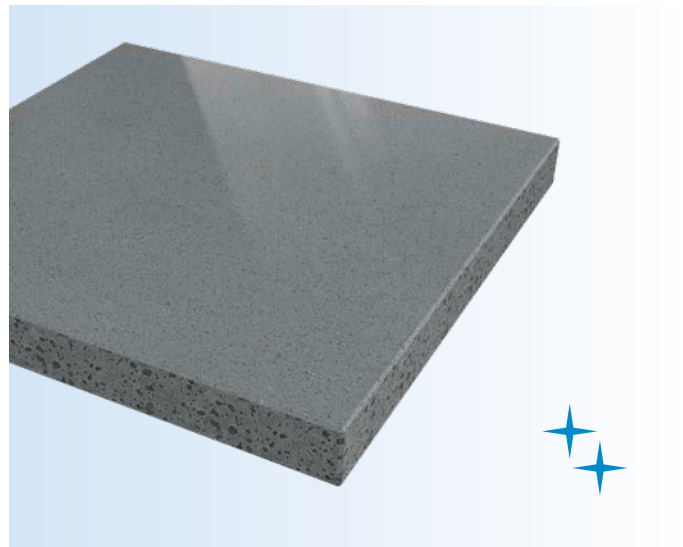
In order to smooth a new floor, the raw, dried out floor has at first to be ground with metal bond diamond tools with a coarse grit size (16-120). In this step, also the final look of the floor is determined: This means that the more aggregate that is to be visible in the final floor, the deeper the floor must be ground. In this phase, minor damage to the floor, such as cracks or splintering, can occur. Once the rough grinding is completed, any possible damages are to be repaired by using the **Tyrolit Pore Filler 100** or **Tyrolit Easy Grout**.



2. Transitional grinding

Ceramic bond tools with grit size from 30 – 200

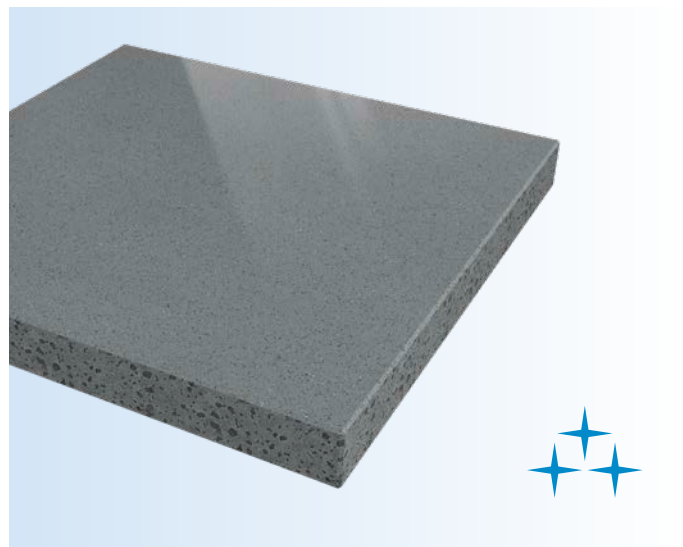
After performing repairs with the Tyrolit Pore Filler 100, the floor is machined using resin or ceramic bond diamond tools. In this phase, the floor is given a smooth, but not yet glossy surface. Upon completion of this grinding step, no more material has to be ground off during subsequent machining. In a next step, the mechanical properties of the floor are optimised. Tyrolit recommends the use of **Tyrolit Densifier 3** for this purpose in order to densify and harden the floor surface. Thus, the floor is ideally prepared for mechanical loads.



3. Polishing

Resin bond tools with grit size from 50 – 3000

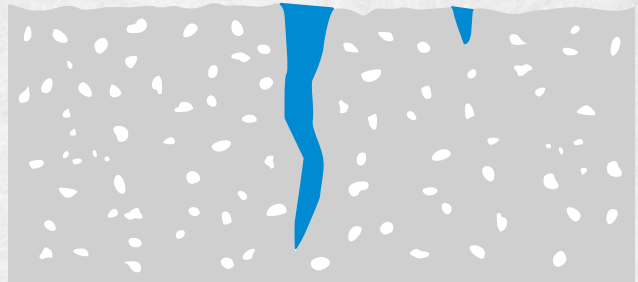
After using the Tyrolit Densifier 3, the floor is given its final gloss, for which resin bond diamond tools with a fine grit size are used. At the end of this process, the floor is impregnated and sealed. This offers long-lasting protection against contamination and the penetration of liquids and greases. For this purpose, Tyrolit recommends either **Tyrolit Sealer 50** or **Tyrolit Premium Sealer WB**. In the case of a simple floor preparation with only a few grinding or polishing steps, the use of **Tyrolit Duo 30** is also recommended, as it hardens and seals in just one step.



Effect of the chemicals at a glance

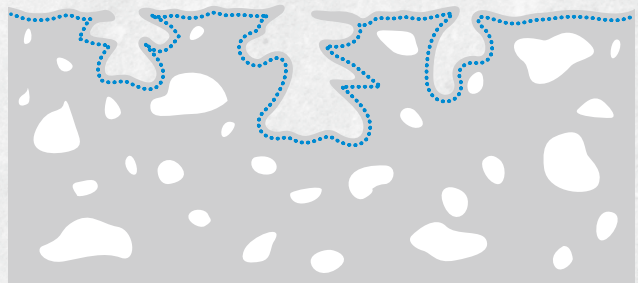
Tyrolit Pore Filler 100 Tyrolit Easy Grout

- Repairing minor damages
- After rough grinding



Tyrolit Densifier 3

- Hardens and densifies the floor
- After transitional grinding



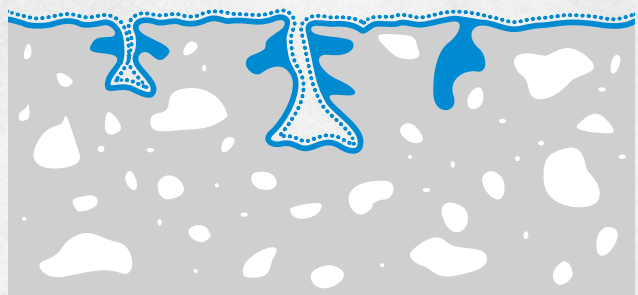
Tyrolit Sealer 50

- Seals the floor (film forming)
- After polishing



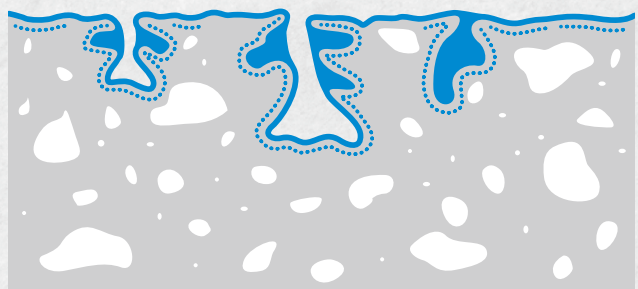
Tyrolit Premium Sealer WB

- Seals the floor (not film forming)
- After polishing



Tyrolit Duo 30

- Combination of densification and sealing
- After polishing



Chemicals

Chemicals	Tyrolit Pore Filler 100	Tyrolit Easy Grout	Tyrolit Densifier 3	Tyrolit Sealer 50
				
Application	for surface treatment of cementitious surfaces 9 litres	for surface treatment of cementitious surfaces 20 litres	for densifying and hardening mineral surfaces 20 litres	water-based sealer for cementitious surfaces, film-forming 10 litres
Description	The Tyrolit Pore Filler 100 is used to close pores, holes and small cracks of max. 4 – 5 mm on ground floors and screeds. For this purpose, the Pore Filler 100 is mixed with grinding dust in order to provide the filler compound with a look similar to the floor. The compound is then used to manually fill cracks and holes in the floor. The Tyrolit Pore Filler 100 is ideal for smaller to medium-sized floors.	The Tyrolit Easy Grout is used to close pores, holes and small cracks of max. 2 – 3 mm on ground floors and screeds. For that purpose, the Easy Grout is sprayed on to the floor during the grinding process. The resulting mix of grinding dust and Easy Grout acts as a filler and is worked into the surface while grinding the floor. Ideal grinding step for the Easy Grout: rough grinding w/ metal bond tools, grit size 80 - 120#. The Tyrolit Easy Grout is the ideal solution for grouting large surfaces.	Tyrolit Densifier 3 is a concrete densifier and surface hardener. It is used after the grinding steps (and before the polishing steps), in order to give the floor its final mechanical properties. Densifier 3 consists of mixed silicates which densify the mineral surfaces and have a dust-binding effect. The resistance of the floor to mechanical loads and abrasion is improved by hardening and densification. The resistance of the floor to water absorption is also increased.	Treatment with Tyrolit Sealer 50 reduces the penetration of liquids, greases and dirt. The sealer is applied after the final polishing of the floor. To increase the gloss, the floor can be polished again after application of Sealer 50. Additional hazard characteristics EEUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. Safety information/Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Type No.	20083856	20097378	20083477	20083643

Chemicals	Tyrolit Premium Sealer WB	Tyrolit Duo 30
		
Application	water-based premium sealer for cementitious surfaces 10 litres	the combination of densification and surface protection 20 litres
Description	The treatment of the floor with the Tyrolit Premium Sealer WB reduces the penetration of liquids, grease and dirt. The penetration of water is reduced considerably while the floor remains vapour permeable. The Premium Sealer WB is applied after the final polishing step. The application may slightly intensify the colour(s) of the floor. After the application of the Premium Sealer WB the floor may be burnished in order to increase the gloss of the floor. The components of the sealer are mostly UV-resistant and non-yellowing. Safety information/Prevention P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves/protective clothing / eye protection / face protection.	Tyrolit Duo 30 densifies the floor. It also reduces the penetration of liquids and dirt, while the surface diffusion remains open. The result is a floor with improved abrasion resistance. The surface is also easier to clean and is less susceptible to stains and soiling.
Type No.	20088743	20083855



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