



KLINGSPOR FLOOR SANDING GUIDE

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- BELTS
- DISCS
- SCREENS
- SHEETS
- PADS
- ROLLS
- SAFETY PRODUCTS
- SANDING ACCESSORIES



KLINGSPOR

The Most Sanding Power for Your Money Since 1893!®

www.klingspor.com





Memo



**From the
Desk of
Christoph
Klingspor**

To Our KLINGSPOR Partners,

As a supplier to the industrial markets, KLINGSPOR strives to offer only the finest products with a focus on the future. This strategy is deeply rooted in the KLINGSPOR heritage through our commitment to excellence.

The KLINGSPOR vision was born in the late 1800's when my great grandfather, Fritz Klingspor, created a company that would produce products unsurpassed in quality with a customer oriented concentration. For well over 100 years, KLINGSPOR has stayed true to the initial tenets on which Fritz Klingspor founded the company. We still believe that this combination is essential in the ongoing success of your business and ours.

So the vision created over a century ago continues to be our guide for the twenty-first century. It reminds us of our goals and reminds us to keep the KLINGSPOR tradition alive. As we grow and encounter new challenges, we will remain flexible to meet the ever-changing needs of our customers. This will ensure that we can continue to offer *The Most Sanding Power For Your Money!*[®]

Christoph Klingspor,
President

P.S.: Call me on my direct line any time
(828) 326-0218

KLINGSPOR PRODUCTS FOR FLOOR SANDING

This catalog is made with the professional floor sanding contractor in mind. Inside, you'll find everything you need to complete your sanding jobs. The materials depicted are of the highest quality for this business, and you can be assured that you're getting *The Most Sanding Power For Your Money Since 1893!* With KLINGSPOR, you get not only the best abrasive products, but you'll also receive the expertise of our applications experts, prompt and courteous service from our inside and outside sales personnel and the fastest shipping times in the country.

KLINGSPOR's ISO9002 rating assures you that quality products and knowledgeable personnel are at your disposal. Whether you're well-versed in abrasive applications or whether you are a novice, KLINGSPOR Abrasives can help you improve the looks of your floors and save you time and money in the process. KLINGSPOR knows what it takes to achieve the results you need and desire.

KLINGSPOR REFERENCE

KLINGSPOR has always offered numerous resources to its customers. Now, more than ever, people want to know about the companies they are dealing with and exactly what products and services they can expect to receive. Because abrasives are highly technical, KLINGSPOR provides detailed information that explains the product and its uses.

KLINGSPOR provides numerous catalogs, price lists and reference guides, although one of our best sources for abrasive information is our web site. The web site is very maneuverable and by far the most user friendly. It details our company, its history, and of course all of our abrasive products.

Keep your finger on the pulse of the abrasive business. The easiest way to stay ahead of the competition is to get your hands on the appropriate KLINGSPOR literature or visit the web site. You won't regret it.

THE SAFE USE OF KLINGSPOR ABRASIVE PRODUCTS

For your own safety and for the optimum use of our Abrasive products please comply with the following safety recommendations. Each product is labeled with the appropriate safety pictograms.



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Wear safety gloves to protect hands



Use ear muffs



Observe safety instructions



Do not use for wet grinding

KLINGSPOR REFERENCE INFORMATION



Woodworking Price Guide



Automotive Price Guide



Safety Precautions



klingspor.com



Dynabrade Catalog



Flap Disc Brochure



Corporate Brochure

FLOOR FINISHING SEQUENCE

	ROUGH SAND	INTERMEDIATE SAND	FINAL SAND (OPTIONAL)	HARD PLATING	SCREENING (OPTIONAL)
	Leveling cupped or uneven floors and removing old coatings, if applicable.	Smoothing out deep scratches and surface irregularities if rough sand was done with a grit coarser than 50 grit.	Final prepping of bare wood to ensure smooth, consistent surface.	Designed to completely flatten the floor especially when mixed species are involved.	Blending the field and perimeter of the floor to allow even stain and finish penetration.
NEW WOOD/INSTALL OLD FLOOR REFINISH (GOOD CONDITION)	50 or 60 Grit	Not Necessary	80 or 100 Grit	80 or 100 Grit	100 or 120 Grit
OLD FLOOR REFINISH (POOR CONDITION)	36 or 40 Grit	50 or 60 Grit	80 or 100 Grit	80 or 100 Grit	100 or 120 Grit
ALUMINIUM OXIDE PRE-FINISHED FLOOR	24, 36 or 40 Grit	50 or 60 Grit	80 or 100 Grit	80 or 100 Grit	100 or 120 Grit

NOTE: THIS IS STARTING RECOMMENDATION ONLY AND CAN VARY BY JOB, CUSTOMER REQUIREMENTS AND CONTRACTOR PREFERENCE.

RECOMMENDED SANDING SEQUENCE

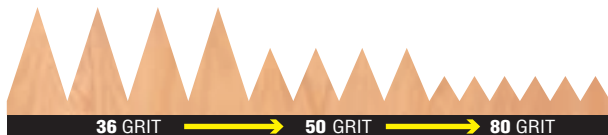


Diagram 1 shows what happens when a proper sanding sequence is followed, not skipping more than one grit between each cut.

- The 36 grit flattens the floor and leaves deep scratches.
- The 50 grit refines those deep scratches, removing the "peaks" left by the 36 grit.
- The 80 grit then refines the scratch even further leaving a surface that is appropriate for staining or finishing.

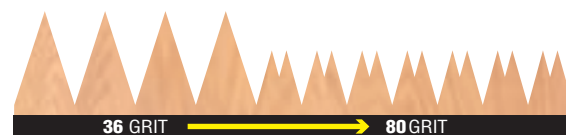


Diagram 2 shows a common practice, skipping more than one grit between each cut. Contractors may think this saves time and money.

- The 36 grit flattens the floor and leaves deep scratches.
- The 80 grit removes the peaks from the scratches left by the 36 grit, but cannot remove the deep "valleys".
- These deep scratches cannot be removed by screening. They will also be highlighted by staining and finishing.
- The deep scratches will also require more finish to be used, since more finish will be needed to fill in the deep "valleys" left from the 36 grit. This will ultimately lead to a finish that fails prematurely.



GENERAL GRIT GUIDE

GRADE	GRIT	NUMBER	BASIC APPLICATION
EXTRA FINE	150	4/0	Very fine finish sanding
	120	3/0	
FINE	100	2/0	Finish sanding. Prep floor for first coat of stain/sealer.
	80	0	
MEDIUM	60	1/2	Intermediate sanding. Removing scratches left by primary step.
	50	1	
COARSE	40	1 - 1/2	Rough sanding. Smoothing or leveling floors.
	36	2	
	30	2 - 1/2	
EXTRA COARSE	24	3	Heavy sanding. Removing old coatings.
	20	3 - 1/2	
	16	4	
	12	4 - 1/2	

BELTS

ALUMINUM OXIDE POLYESTER CS311YX

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
311120-7x29	120
311100-7x29	100
311080-7x29	80
311060-7x29	60
311050-7x29	50
311040-7x29	40
311036-7x29	36

8" x 19"	
ITEM NUMBER	GRIT
311120-8x19	120
311100-8x19	100
311080-8x19	80
311060-8x19	60
311050-8x19	50
311040-8x19	40
311036-8x19	36

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
311120-9x29	120
311100-9x29	100
311080-9x29	80
311060-9x29	60
311050-9x29	50
311040-9x29	40
311036-9x29	36

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
311120-11x21	120
311100-11x21	100
311080-11x21	80
311060-11x21	60
311050-11x21	50
311040-11x21	40
311036-11x21	36

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
311120-11x29	120
311100-11x29	100
311080-11x29	80
311060-11x29	60
311050-11x29	50
311040-11x29	40
311036-11x29	36

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
311120-11x31	120
311100-11x31	100
311080-11x31	80
311060-11x31	60
311050-11x31	50
311040-11x31	40
311036-11x31	36

11 7/8" X 33"	
ITEM NUMBER	GRIT
311120-11x33	120
311100-11x33	100
311080-11x33	80
311060-11x33	60
311050-11x33	50
311040-11x33	40
311036-11x33	36



ALUMINUM OXIDE CLOTH CS710XF

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
710120-7x29	120
710100-7x29	100
710080-7x29	80

8" x 19"	
ITEM NUMBER	GRIT
710120-8x19	120
710100-8x19	100
710080-8x19	80

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
710120-9x29	120
710100-9x29	100
710080-9x29	80

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
710120-11x21	120
710100-11x21	100
710080-11x21	80

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
710120-11x29	120
710100-11x29	100
710080-11x29	80

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
710120-11x31	120
710100-11x31	100
710080-11x31	80

11 7/8" X 33"	
ITEM NUMBER	GRIT
710120-11x33	120
710100-11x33	100
710080-11x33	80



Belt Machine Guide

7 7/8" X 29 1/2"	LAGLER-HUMMEL, PROSAND, GALAXY 2000
8" X 19"	CLARKE EZ-8
9 7/8" X 29 1/2"	OREBRO
11 7/8" X 29 1/2"	Galaxy BD12
11 7/8" x 31 1/2"	Lagler - Super Hummel

BELTS

SILICON CARBIDE CLOTH CS333X

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
333120-7x29	120
333100-7x29	100
333080-7x29	80
333060-7x29	60
333040-7x29	40
333036-7x29	36
333024-7x29	24

8" x 19"	
ITEM NUMBER	GRIT
333120-8x19	120
333100-8x19	100
333080-8x19	80
333060-8x19	60
333040-8x19	40
333036-8x19	36
333024-8x19	24

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
333120-9x29	120
333100-9x29	100
333080-9x29	80
333060-9x29	60
333040-9x29	40
333036-9x29	36
333024-9x29	24

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
333120-11x21	120
333100-11x21	100
333080-11x21	80
333060-11x21	60
333040-11x21	40
333036-11x21	36
333024-11x21	24

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
333120-11x29	120
333100-11x29	100
333080-11x29	80
333060-11x29	60
333040-11x29	40
333036-11x29	36
333024-11x29	24

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
333120-11x31	120
333100-11x31	100
333080-11x31	80
333060-11x31	60
333040-11x31	40
333036-11x31	36
333024-11x31	24

11 7/8" X 33"	
ITEM NUMBER	GRIT
333120-11x33	120
333100-11x33	100
333080-11x33	80
333060-11x33	60
333040-11x33	40
333036-11x33	36
333024-11x33	24



SILICON CARBIDE POLYESTER CS320Y

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
320120-7x29	120
320100-7x29	100
320080-7x29	80
320060-7x29	60
320050-7x29	50
320040-7x29	40

8" x 19"	
ITEM NUMBER	GRIT
320120-8x29	120
320100-8x29	100
320080-8x29	80
320060-8x29	60
320050-8x29	50
320040-8x29	40

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
320120-9x29	120
320100-9x29	100
320080-9x29	80
320060-9x29	60
320050-9x29	50
320040-9x29	40

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
320120-11x21	120
320100-11x21	100
320080-11x21	80
320060-11x21	60
320050-11x21	50
320040-11x21	40

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
320120-11x29	120
320100-11x29	100
320080-11x29	80
320060-11x29	60
320050-11x29	50
320040-11x29	40

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
320120-11x31	120
320100-11x31	100
320080-11x31	80
320060-11x31	60
320050-11x31	50
320040-11x31	40

11 7/8" X 33"	
ITEM NUMBER	GRIT
320120-11x33	120
320100-11x33	100
320080-11x33	80
320060-11x33	60
320050-11x33	50
320040-11x33	40



BELTS

ZIRCONIA POLYESTER CS411Y

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
411120-7x29	120
411080-7x29	80
411060-7x29	60
411050-7x29	50
411040-7x29	40
411036-7x29	36
411024-7x29	24

8" x 19"	
ITEM NUMBER	GRIT
411120-8x19	120
411080-8x19	80
411060-8x19	60
411050-8x19	50
411040-8x19	40
411036-8x19	36
411024-8x19	24

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
411120-8x29	120
411080-8x29	80
411060-8x29	60
411050-8x29	50
411040-8x29	40
411036-8x29	36
411024-8x29	24

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
411120-11x21	120
411080-11x21	80
411060-11x21	60
411050-11x21	50
411040-11x21	40
411036-11x21	36
411024-11x21	24

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
411120-11x29	120
411080-11x29	80
411060-11x29	60
411050-11x29	50
411040-11x29	40
411036-11x29	36
411024-11x29	24

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
411120-11x31	120
411080-11x31	80
411060-11x31	60
411050-11x31	50
411040-11x31	40
411036-11x31	36
411024-11x31	24

11 7/8" X 33"	
ITEM NUMBER	GRIT
411120-11x33	120
411080-11x33	80
411060-11x33	60
411050-11x33	50
411040-11x33	40
411036-11x33	36
411024-11x33	24



ZIRCONIA HEAVY POLYESTER CS416Y

7 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
416120-7x29	120
416100-7x29	100
416080-7x29	80
416060-7x29	60
416050-7x29	50
416040-7x29	40
416036-7x29	36
416024-7x29	24

8" x 19"	
ITEM NUMBER	GRIT
416120-8x19	120
416100-8x19	100
416080-8x19	80
416060-8x19	60
416050-8x19	50
416040-8x19	40
416036-8x19	36
416024-8x19	24

9 7/8" x 29 1/2"	
ITEM NUMBER	GRIT
416120-9x29	120
416100-9x29	100
416080-9x29	80
416060-9x29	60
416050-9x29	50
416040-9x29	40
416036-9x29	36
416024-9x29	24

11 7/8" X 21 11/16"	
ITEM NUMBER	GRIT
416120-11x21	120
416100-11x21	100
416080-11x21	80
416060-11x21	60
416050-11x21	50
416040-11x21	40
416036-11x21	36
416024-11x21	24

11 7/8" X 29 1/2"	
ITEM NUMBER	GRIT
416120-11x29	120
416100-11x29	100
416080-11x29	80
416060-11x29	60
416050-11x29	50
416040-11x29	40
416036-11x29	36
416024-11x29	24

11 7/8" X 31 1/2"	
ITEM NUMBER	GRIT
416120-11x31	120
416100-11x31	100
416080-11x31	80
416060-11x31	60
416050-11x31	50
416040-11x31	40
416036-11x31	36
416024-11x31	24

11 7/8" X 33"	
ITEM NUMBER	GRIT
416120-11x33	120
416100-11x33	100
416080-11x33	80
416060-11x33	60
416050-11x33	50
416040-11x33	40
416036-11x33	36
416024-11x33	24



ROLLS

ALUMINUM OXIDE CLOTH CS710XF

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
710120-8X50	120	710120-12X50	120
710100-8X50	100	710100-12X50	100
710080-8X50	80	710080-12X50	80

ALUMINUM OXIDE POLYESTER CS 311Y

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
311120-8x50	120	311120-12x50	120
311100-8x50	100	311100-12x50	100
311080-8x50	80	311080-12x50	80
311060-8x50	60	311060-12x50	60
311050-8x50	50	311050-12x50	50
311040-8x50	40	311040-12x50	40
311036-8x50	36	311036-12x50	36



SILICON CARBIDE CLOTH CS333X SILICON CARBIDE PAPER PS19E

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
333120-8X50	120	333120-12X50	120
333100-8X50	100	333100-12X50	100
333080-8X50	80	333080-12X50	80
333060-8X50	60	333060-12X50	60
333040-8X50	40	333040-12X50	40
333036-8X50	36	333036-12X50	36
333024-8X50	24	333024-12X50	24

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
019120-8X50	120	019120-12X50	120
019100-8X50	100	019100-12X50	100
019080-8X50	80	019080-12X50	80
019060-8X50	60	019060-12X50	60
019050-8X50	50	019050-12X50	50
019040-8X50	40	019040-12X50	40
019036-8X50	36	019036-12X50	36
019024-8X50	24	019024-12X50	24

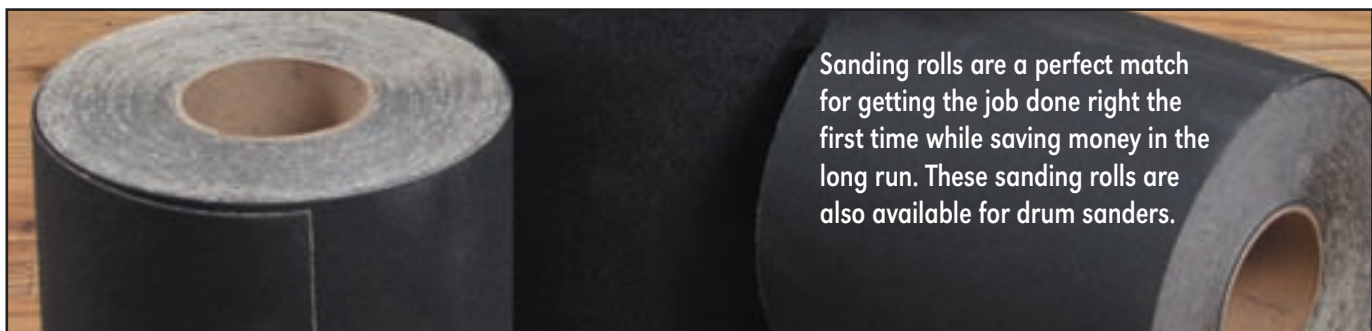


ZIRCONIA POLYESTER CS411Y

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
411120-8X50	120	411120-12X50	120
411080-8X50	80	411080-12X50	80
411060-8X50	60	411060-12X50	60
411050-8X50	50	411050-12X50	50
411040-8X50	40	411040-12X50	40
411036-8X50	36	411036-12X50	36
411024-8X50	24	411024-12X50	24

ZIRCONIA PAPER PS21

8" x 50 Yards		12" x 50 Yards	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
021120-8X50	120	021120-12X50	120
021100-8X50	100	021100-12X50	100
021080-8X50	80	021080-12X50	80
021060-8X50	60	021060-12X50	60
021040-8X50	40	021040-12X50	40
021036-8X50	36	021036-12X50	36



Sanding rolls are a perfect match for getting the job done right the first time while saving money in the long run. These sanding rolls are also available for drum sanders.

LARGE DIAMETER DISCS

ZIRCONIA CLOTH CS411X

15" X 2"		16" X 2"		16" X 4"		17" X 2"	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
411120-15X2	120	411120-16X2	120	411120-16X4	120	411120-17X2	120
411080-15X2	80	411080-16X2	80	411080-16X4	80	411080-17X2	80
411060-15X2	60	411060-16X2	60	411060-16X4	60	411060-17X2	60
411050-15X2	50	411050-16X2	50	411050-16X4	50	411050-17X2	50
411040-15X2	40	411040-16X2	40	411040-16X4	40	411040-17X2	40
411036-15X2	36	411036-16X2	36	411036-16X4	36	411036-17X2	36
411024-15X2	24	411024-16X2	24	411024-16X4	24	411024-17X2	24

KLINGSPOR Large Diameter Discs are made from our top-notch silicon carbide or zirconia grains. These discs will offer outstanding performance with excellent reliability. Minimum order 1 box.

19" X 2"		16" X NH		17" X NH	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
411120-19X2	120	411120-16	120	411120-17	120
411080-19X2	80	411080-16	80	411080-17	80
411060-19X2	60	411060-16	60	411060-17	60
411050-19X2	50	411050-16	50	411050-17	50
411040-19X2	40	411040-16	40	411040-17	40
411036-19X2	36	411036-16	36	411036-17	36
411024-19X2	24	411024-16	24	411024-17	24



SILICON CARBIDE PAPER PS19

15" X 2"		16" X NH		16" X 2"		17" X NH		17" X 2"		19" X 2"	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
019120-15X2	120	019120-16	120	019120-16X2	120	019120-17	120	019120-17X2	120	019120-19X2	120
019100-15X2	100	019100-16	100	019100-16X2	100	019100-17	100	019100-17X2	100	019100-19X2	100
019080-15X2	80	019080-16	80	019080-16X2	80	019080-17	80	019080-17X2	80	019080-19X2	80
019060-15X2	60	019060-16	60	019060-16X2	60	019060-17	60	019060-17X2	60	019060-19X2	60
019050-15X2	50	019050-16	50	019050-16X2	50	019050-17	50	019050-17X2	50	019050-19X2	50
019040-15X2	40	019040-16	40	019040-16X2	40	019040-17	40	019040-17X2	40	019040-19X2	40
019036-15X2	36	019036-16	36	019036-16X2	36	019036-17	36	019036-17X2	36	019036-19X2	36
019020-15X2	20	019020-16	20	019020-16X2	20	019020-17	20	019020-17X2	20	019020-19X2	20
019016-15X2	16	019016-16	16	019016-16X2	16	019016-17	16	019016-17X2	16	019016-19X2	16
019012-15X2	12	019012-16	12	019012-16X2	12	019012-17	12	019012-17X2	12	019012-19X2	12



SMALL DIAMETER DISCS - HOOK & LOOP

ALUMINUM OXIDE STEARATE PAPER PS33C

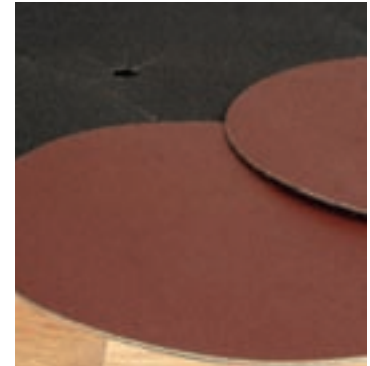
5" X NH H&L		6" X NH H&L		7" X NH H&L		8" X NH H&L	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
033K120C-12700	120	033K120C-15000	120	033K120C-17800	120	033K120C-20000	120
033K100C-12700	100	033K100C-15000	100	033K100C-17800	100	033K100C-20000	100
033K080C-12700	80	033K080C-15000	80	033K080C-17800	80	033K080C-20000	80
033K060C-12700	60	033K060C-15000	60	033K060C-17800	60	033K060C-20000	60
033K040C-12700	40	033K040C-15000	40	033K040C-17800	40	033K040C-20000	40

*also available in Pressure Sensitive Adhesive. Call for pricing. Also available in H&L with 5 & 8 or 6 & 8 holes @ no additional cost.

ALUMINUM OXIDE CLOTH CS710XF

5" X NH H&L		6" X NH H&L		7" X NH H&L		8" X NH H&L	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
710K240XF12700	240	710K240XF15000	240	710K240XF17800	240	710K240XF20000	240
710K180XF12700	180	710K180XF15000	180	710K180XF17800	180	710K180XF20000	180
710K150XF12700	150	710K150XF15000	150	710K150XF17800	150	710K150XF20000	150
710K120XF12700	120	710K120XF15000	120	710K120XF17800	120	710K120XF20000	120
710K100XF12700	100	710K100XF15000	100	710K100XF17800	100	710K100XF20000	100
710K080XF12700	80	710K080XF15000	80	710K080XF17800	80	710K080XF20000	80

KLINGSPOR is known throughout the industry as the premier manufacturer of discs. Our large diameter discs will outperform most competitive discs on the market and our smaller discs will do the same. Use these discs for smaller surface areas or for touch-up when use of large sanders is not feasible. KLINGSPOR smaller discs resist loading which makes them last longer and leave better finishes.



ALUMINUM OXIDE HEAVY PAPER PS29F

5" X NH H&L		6" X NH H&L		7" X NH H&L		8" X NH H&L	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
029K060F-12700	60	029K060F-15000	60	029K060F-17800	60	029K060F-20000	60
029K040F-12700	40	029K040F-15000	40	029K040F-17800	40	029K040F-20000	40

Orbital Disc Machine Guide

6" x 0	U-Sand
8" x 0	Lagler Trio
6" x 8" Hole / center hole	Festool, Makita



EDGER DISCS

ALUMINUM OXIDE CLOTH CS710XF

6" X 5/16"		7" X 7/8"		7" X 5/16"	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
710120-6X5/16	120	710120-7X7/8	120	710120-7X5/16	120
710100-6X5/16	100	710100-7X7/8	100	710100-7X5/16	100
710080-6X5/16	80	710080-7X7/8	80	710080-7X5/16	80



SILICON CARBIDE PAPER PS19

6" X 5/16"		7" X 7/8"		7" X 5/16"	
ITEM NUMBER	GRIT	ITEM NUMBER	GRIT	ITEM NUMBER	GRIT
019120-6X5/16	120	019120-7X7/8	120	019120-7X5/16	120
019100-6X5/16	100	019100-7X7/8	100	019100-7X5/16	100
019080-6X5/16	80	019080-7X7/8	80	019080-7X5/16	80
019060-6X5/16	60	019060-7X7/8	60	019060-7X5/16	60
019050-6X5/16	50	019050-7X7/8	50	019050-7X5/16	50
019040-6X5/16	40	019040-7X7/8	40	019040-7X5/16	40
019036-6X5/16	36	019036-7X7/8	36	019036-7X5/16	36
019024-6X5/16	24	019024-7X7/8	24	019024-7X5/16	24
019020-6X5/16	20	019020-7X7/8	20	019020-7X5/16	20
019016-6X5/16	16	019016-7X7/8	16	019016-7X5/16	16
019012-6X5/16	12	019012-7X7/8	12	019012-7X5/16	12



Edger Disc Machine Guide

6 7/8" x 7/8"	Super 7, Viking, Super E, Galaxy Elite, Blizzard
7 7/8" x 3/16"	Lagler Trio
7" x 5/16"	Prosand, Silverline, Red-Devil, American Spider
7" x 7/8"	Clarke, Hold, Porter Cable, Skil, Tennant
5 7/8" (150mm) x 0	Bona Kemi 3148



MESH SCREEN DISCS

Industrial quality mesh screen discs produce outstanding results. Minimum order of 1 Box.



	ITEM NUMBER	GRIT	BOX QTY
8"	FS150-8	150	10
	FS120-8	120	10
	FS100-8	100	10
	FS080-8	80	10
	FS060-8	60	10
13"	FS150-13	150	10
	FS120-13	120	10
	FS100-13	100	10
	FS080-13	80	10
	FS060-13	60	10
15"	FS150-15	150	10
	FS120-15	120	10
	FS100-15	100	10
	FS080-15	80	10
	FS060-15	60	10
16"	FS150-16	150	10
	FS120-16	120	10
	FS100-16	100	10
	FS080-16	80	10
	FS060-16	60	10

	ITEM NUMBER	GRIT	BOX QTY
17"	FS150-17	150	10
	FS120-17	120	10
	FS100-17	100	10
	FS080-17	80	10
	FS060-17	60	10
18"	FS150-18	150	10
	FS120-18	120	10
	FS100-18	100	10
	FS080-18	80	10
	FS060-18	60	10
19"	FS150-19	150	10
	FS120-19	120	10
	FS100-19	100	10
	FS080-19	80	10
	FS060-19	60	10
20"	FS150-20	150	10
	FS120-20	120	10
	FS100-20	100	10
	FS080-20	80	10
	FS060-20	60	10

MESH SCREEN SHEETS

12" X 18"

ITEM NUMBER	GRIT	BOX QTY
SCREEN150-12X18	150	10
SCREEN120-12X18	120	10
SCREEN100-12X18	100	10
SCREEN080-12X18	80	10
SCREEN060-12X18	60	10



ABRASIVE SHEETS

12" X 18" Silicon carbide E-weight paper

ITEM NUMBER	GRIT	BOX QTY
019100-S12X18	100	10
019080-S12X18	80	10
019060-S12X18	60	10



8" X 19 1/2" Silicon carbide E-weight paper

ITEM NUMBER	GRIT	BOX QTY
019100-S8X19	100	10
019080-S8X19	80	10
019060-S8X19	60	10

Sheet Machine Guide

8" x 19 1/2"	Clarke 8" Model DU-8, DU8R & D48R
8" x 20 3/16"	SilverLine SL 8
12" x 18"	Squar-Buff, Clarke, Deva, Silverline
12" x 24"	Flooring M101-24

FLOOR MAINTENANCE PADS

These floor maintenance pads are capable of smoothing out sealer coats and abrading between finish coats-solvent and waterborne systems. Other colors available upon request. Minimum order of 1 box.

White = Soft polishing pad / Red = Buffing pad
Maroon = Fine (Fine/Maroon Pads are 1/4" Thick)



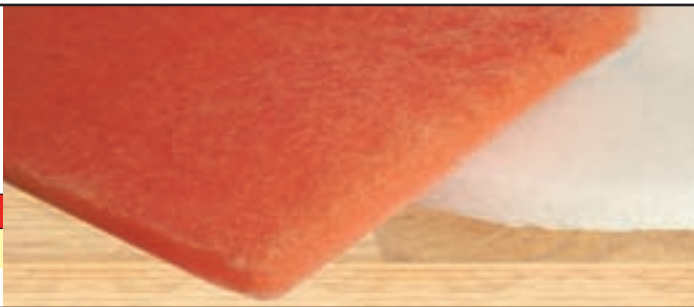
ITEM NUMBER	COLOR	BOX QTY
6" NO HOLE		
FMM-6	Maroon	10
7" x 5/16"		
FMM-7x5/16	Maroon	10
8" NO HOLE		
FMM-8	Maroon	10

ITEM NUMBER	COLOR	BOX QTY
15" x 1"		
FMW-15	White	5
FMR-15	Red	5
FMM-15	Maroon	5
16" x 1"		
FMW-16	White	5
FMR-16	Red	5
FMM-16	Maroon	5

ITEM NUMBER	COLOR	BOX QTY
17" x 1"		
FMW-17	White	5
FMR-17	Red	5
18" x 1"		
FMW-18	White	5
FMR-18	Red	5
20" x 1"		
FMW-20	White	5

FLOOR MAINTENANCE SHEETS

ITEM NUMBER	COLOR	BOX QTY
FMP-R12X18X1	RED BUFFING	5
FMP-W12X18X1	WHITE POLISHING	5



BUFF TAPE ROLL

2 3/4" x 45 YARD PS33 MATERIAL

ITEM NUMBER	GRIT	BOX QTY
033180B026045YDPN	180	1
033150B026045YDPN	150	1
033080C026045YDPN	80	1



Always carry a soft lead carpenter's pencil while sanding and immediately mark exposed nails, slight hollows, excessive scratches, holes to be filled, etc. Pencil marks across the floor before the intermediate cuts also show if the entire floor was sanded.

BASIC APPLICATION GUIDELINES

GRADE	GRIT	BASIC APPLICATION
EXTRA FINE	150	Very fine finish sanding
	120	
FINE	100	Finish sanding. Floor prep first coat of stain sealer.
	80	
MEDIUM	60	Intermediate sanding. Removing scratches left by primary step.
	50	
COARSE	40	Rough sanding. Smoothing or leveling floors.
	36	
EXTRA COARSE	24	Heavy sanding. Removing old coat(s).
	20	
	16	
	12	



WIDE VIEW SAFETY GLASSES

With a wide field of vision and integral side shields, you'll get excellent protection from these glasses. The adjustable temples offer the perfect fit while "pulling" the glasses close to the face. Features include ANSI Z87.1 approved impact resistance, economical pricing, brow guard, adjustable temples, and anti-fog and UV protection properties.

ITEM NUMBER	DESCRIPTION
SPGX0110	Galaxy Wide View
SPMR0110	Mirage Wrap Around



BULLET EARPLUGS

These bullet-shaped earplugs make it easy to get a proper fit because they adjust to the shape and size of the ear canal. This disposable earplug is made of slow-recovery non-irritating foam that provides comfort with low pressure on the ear canal. Available corded or uncorded. 100/box 32 NRR

ITEM NUMBER	DESCRIPTION	QUANTITY
SPFP70	Regular with Cord	100 pairs/box
SPFP71	Regular Uncorded	100 pairs/box



NUISANCE DUST MASKS

These nuisance dust masks protect against non-toxic nuisance dusts and particles such as pollens, cement and stone, and some woodworking applications. Made of a soft, non-irritating, woven material, our masks assure a long-lasting, comfortable fit. They are completely disposable, so there are no messy cleaning chores. The metal nosepiece adjusts to accommodate a wide variety of facial sizes and the large filter area allows for cool, easy breathing. For casual dust control, this is the mask for you. **Not NIOSH approved.**

ITEM NUMBER	DESCRIPTION	QUANTITY
SPGC004A	Nuisance Dust Mask	50/box



GOOD

NIOSH APPROVED PARTICULATE RESPIRATORS

This mask meets the 42 CFR regulations for N95 particulate respirators for protection from exposure to dusts, metal fumes, microorganisms and non-oil containing mists. They are comfortable, moisture resistant, economical, and long-lasting. Heavy duty head straps and an adjustable nosepiece round out the numerous features of these industrial particulate respirators. The valved version (SP8812) makes exhalation easy and the mask are comfortable - no build up of moisture inside. **NIOSH approved.**



BETTER

ITEM NUMBER	DESCRIPTION	QUANTITY
SP1730	Without Valve	20/box
SP8812	With Valve	10/box

HALF MASK RESPIRATOR W/DUAL REPLACEABLE CARTRIDGES

Half mask respirators can be effective in removing many chemicals, toxins, dusts, mists, spores and biological contaminants from the air. This dual cartridge half mask respirator is made of comfortable, non-irritating TPE and elastic strap and cradle suspension for comfortable wear. The construction with exhalation valves and two filtering cartridges offers very low breathing resistance while the low profile design allows for a wide field of vision and room for eyewear. Their economical price allows for single use applications yet they can be used over and over again. Used in conjunction with the multi-contaminant filters, our half mask respirators will combat either organic gases and vapors or acidic gases and vapors, based on which cartridge is chosen, plus all solids and particulates. Comes complete with organic vapor cartridges, ready for use.

DESCRIPTION	ITEM #
Half Mask Respirator Medium/Large	SP9200/9300
Organic Vapor Acid Gas Cartridges	SPG03
Optional N95 Prefilter	SPG95P
Optional Prefilter retainer	SP172

BEST



COATED ABRASIVE SAFETY GUIDELINES

1. Eye protection should always be worn when using any machinery-operated abrasive product (A.N.S.I. Standard Z87.1). Body protection should also be worn whenever appropriate; arm guards, leather gloves, and aprons. Loose clothing, jewelry and hair should always be secured before using any powered machinery.
2. Machinery should always be maintained in good working order. Proper electrical controls should be easily reached and in good working order. Safety guards on machines should never be removed. Machinery should be disconnected from the power source before making any abrasive or machine adjustments.
3. Proper dust control is essential. Always observe OSHA regulations regarding dust collection. Dust masks are recommended to minimize dust inhalation. Dust collection systems should be properly maintained and cleaned frequently.
4. Never use a coated abrasive product which is cut, creased, or otherwise damaged. Observe proper storage conditions.
5. Proper machinery use:
 - A. Always run lap joint belts in proper direction.
 - B. Jog the machine to start abrasive belt tracking, rather than full-power starts.
 - C. If unusual ticking or bumping noises are heard on a running abrasive belt, check belt and machine for possible damage.
 - D. On offhand applications, present the workpiece to the abrasive belt below the center of a contact wheel.
 - E. Proper belt tension should always be maintained.
 - F. Belt tracking should be properly adjusted.



Look for these safety warnings in your workplace and on abrasive products.

Call for more detailed safety information.

AIR SUPPLY RECOMMENDATIONS FOR RANDOM ORBITAL SANDERS

Sufficient air supply to portable sanding tools is crucial for proper finishing characteristics. If the air pressure is too low, random orbital disc sanders will be much more likely to create "swirl marks" or "fish hooks" on the workpiece.

KLINGSPOR RECOMMENDS THE FOLLOWING:

- Maintain steady operating air pressure of 90 PSI under load. Remember this is not the same as the air pressure to the tool when it is not in use. Use your gauge on the sander to determine actual p.s.i. under load.
- Most palm style random orbital sanders require an air volume of 15 to 18 standard cubic feet per minute (SCFM). Compressors should be at least 5HP., two stage design.
- If using rubber or plastic air hoses with an inside diameter of 3/8", a maximum length of 20 feet from the iron air supply pipe is suggested.
- Use larger I.D. hoses and couplings whenever possible. Standard hose inside diameters are typically 5/16", 3/8" and 1/2". Also, make sure the couplings' I.D. sizes are no more than one size smaller than the hose I.D. Be sure male and female couplings are of the same I.D.
- Always keep air tools properly maintained. Keep tools properly lubricated and clean. Replace worn bearings and backing pads. Keep mufflers and exhaust areas clean and unrestricted.



ABRASIVE GRAINS

ALUMINUM OXIDE - A blocky, hard grain best suited for sanding and grinding of ferrous and non-ferrous metals, wood and solid surface materials.

SILICON CARBIDE - A sharp, very hard and brittle grain best suited for sanding of glass, plastics, rubber, ceramics, solid surface materials and some non-ferrous metals.

ALUMINA ZIRCONIA - A very hard and sharp grain that works well for grinding of stainless steel, spring steel, titanium and other hard steels and for dimensioning of wood.

EMERY - An abrasive that is a natural composite of Corundum and Iron Oxide. The grains are blocky, cut slowly, and tend to polish the material being abraded.

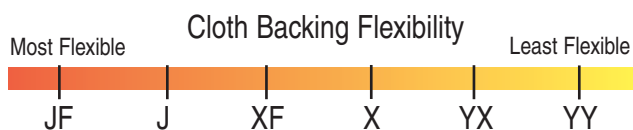
GARNET - A very sharp grain that cuts very quickly when new. Fractures quickly, keeping it sharp. Perfect for sanding wood end grains or for final-finish sanding of wood. Very economical.

STEARATE - An additive that prevents loading when sanding soft resinous woods, after sealer coats and when working with soft ferrous or non-ferrous metals. Not an abrasive grain.

ABRASIVE BACKINGS

CLOTH

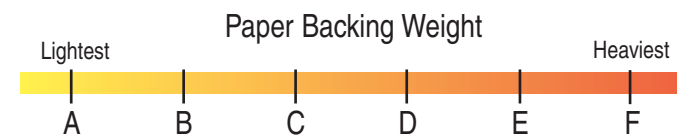
- JF - A light weight very flexible Egyptian cotton cloth
- J - A light weight flexible Egyptian cotton cloth
- XF - A heavy, yet flexible Egyptian cotton cloth
- X - A heavy, stiff Egyptian cotton cloth
- YX - A lighter weight polyester backing
- YY - A very heavy, stiff polyester backing



FIBRE - A very hard, strong, coated abrasive backing material consisting of multiple plies of chemically-impregnated paper. Used primarily for disc products.

PAPER

- A - A very light weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- B - A light weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- C - A medium weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- D - A medium to heavy weight paper - typically for sheet use only or PSA or hook & loop disc usage
- E - A heavy weight paper - typically for stroke or wide belt sanding
- F - A very heavy weight paper - typically for stroke or wide belt sanding



THE SAFE USE OF KLINGSPOR ABRASIVE PRODUCTS

For your own safety and for the optimum use of our Abrasive products please comply with the following safety recommendations. Each product is labeled with the appropriate safety pictograms.

Wear safety goggles or glasses to protect the eyes	Wear a dust mask	Wear safety gloves to protect hands	Use ear muffs	Observe safety instructions	Do not use for wet grinding	Not permitted for hand-held or manually-guided grinding.	Not permitted for face grinding.	Do not use if damaged

TERMS AND CONDITIONS

TERMS: Minimum \$50.00 order. 2% 10 days, net 30 days from date of invoice. Invoices not paid within terms will be considered delinquent, and any orders will be placed on hold until delinquent invoices are paid.

DELIVERY: Single order shipments to one destination totaling \$300.00 or more will be shipped F.O.B. destination via carrier of our choice, continental U.S. only. Orders under \$300.00 will be shipped F.O.B. KLINGSPOR Distribution Point, continental U.S. only.

ALASKA & HAWAII SHIPMENTS: Shipments to Alaska or Hawaii will be prepaid only to the point of embarkation within the continental U.S., provided above conditions are met. NOTE: KLINGSPOR ABRASIVES cannot be held accountable for delays once an order is released to a carrier.

QUANTITY VARIANCE: Because of the nature of the manufacturing process, a ±10% variance will be allowed by the buyer to the manufacturer.

PRICING: All prices are subject to correction and change without notice. All computer invoice extensions have been calculated utilizing two decimal places; therefore, there is the possibility that variations, however minor, may occur due to rounding, and shall be allowed by the buyer.

RETURN POLICY: Returns of merchandise will be accepted only with prior return authorization. Custom size items cannot be returned. All products authorized for return must be properly packaged and returned freight prepaid and in original packaging in re-sellable condition. We are not responsible for items ordered in error or overstocked; if any exceptions are made, a 15% restocking fee will apply. Material non-refundable after one year.

PRODUCT WARRANTY: KLINGSPOR ABRASIVES, Inc. warrants all products to be free from defects for up to one year. If any KLINGSPOR products are found to be defective, buyer's sole and exclusive remedy will be the replacement of any such products or, at KLINGSPOR's option, the refund of buyer's purchase price for said products. In any event, KLINGSPOR shall not be liable for any consequential damages.



KLINGSPOR ABRASIVES, INC.

The Most Sanding Power for Your Money Since 1893![®]

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