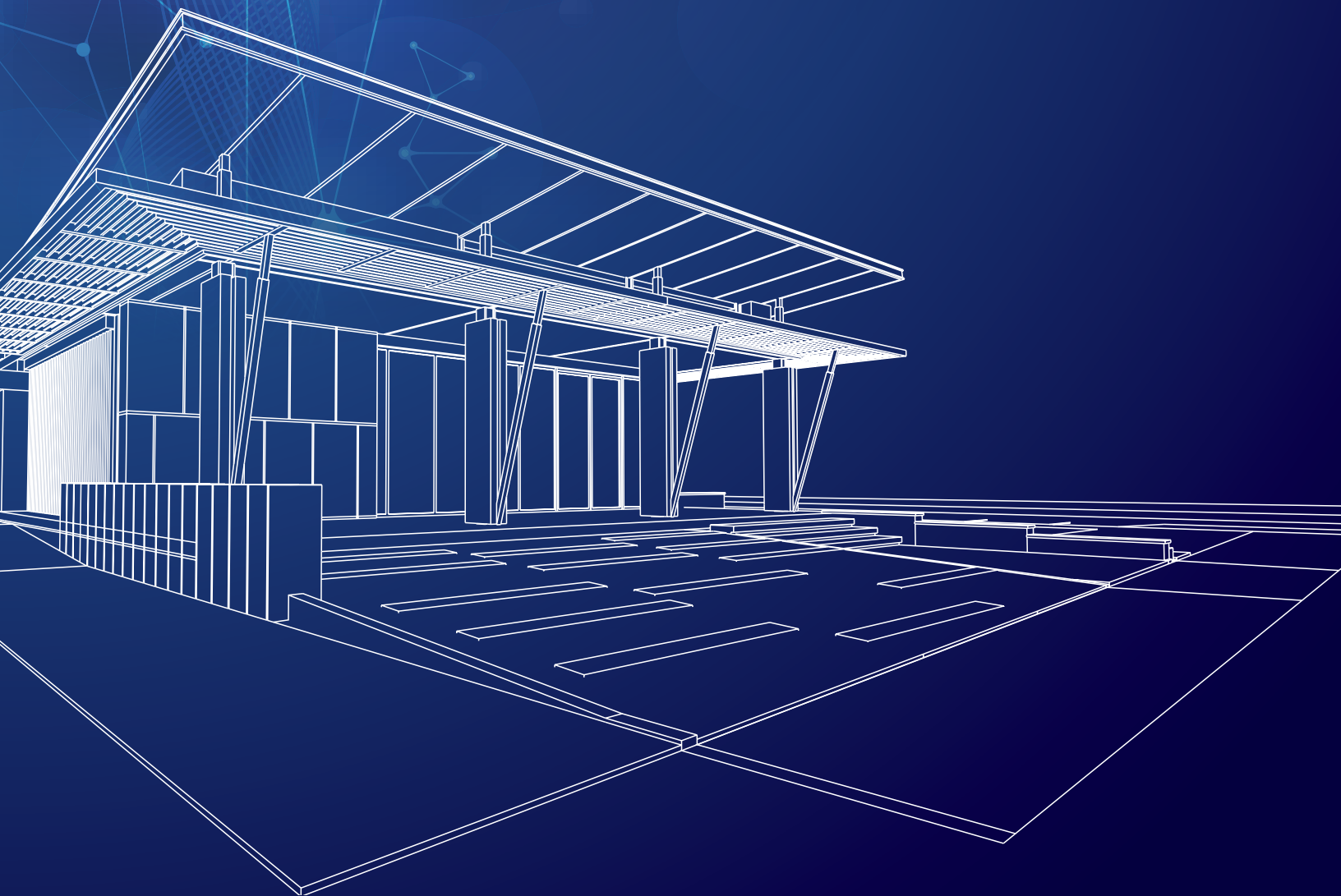




CATALOG



**INDUSTRIAL MANUFACTURING**

Slabs & Tiles



## CALIBRATORS

TENAX manufactures a wide range of calibrators for all the major machinery manufacturing companies around the world. We work closely with BRETON™, SIMEC™, PEDRINI™ and many other industry leaders to come up with the perfect solution in terms of life and cost for all the different needs.

We also do custom calibrator tools to be able to provide a solution for any needs our client have.

Call us for a free consultation regarding calibrating and specific honing/ high removal rate needs.



## EVOLUTION METAL BONDED

TENAX carries 3 different kind of evolution metal bonded fickert abrasives. The original 14cm rectangle shape and formula, the 14cm NANO rounded corners and the 14/17cm extended holder. Available in several different bonding hardnesses. We usually provide up to 7 different diamond grit sizes and in each position we can provide up to 7 different hardness bond.

All our metal bonded abrasives come with either aluminum or nylon holder. Designed to fill all BRETON™, SIMEC™, PEDRINI™, GMM™/CEMAR™, and SOLTEK™ / CO.MES™ type polishing heads.

### POSITIONS AVAILABLE

Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	Pos 6	Pos 7
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## FINE GRAIN ABRASIVES



TENAX was the pioneer of this newer technology using resin bonded diamond tools to bring up the shine of natural and engineered stone since the early nineties. Being TENAX, a leader in the chemical part of the business, we were able to develop the right bond using multiple technologies depending on the stone and the results needed.

Our latest version (FIGO) are considered among the best quality finishers in the market right now with the lowest cost and highest performances.

### GRIT SIZES AVAILABLE

80	120	220	320	400	600	800	1200	2500	3000	5000
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## SYNTHETIC - MAGNESITE

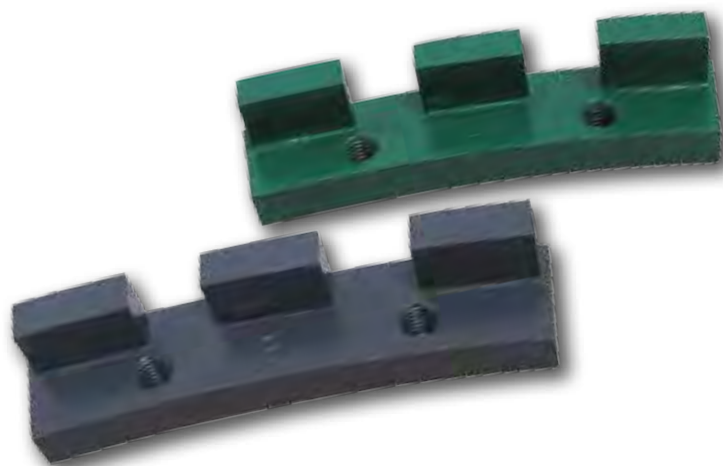
These are the original abrasives sold in the stone industry for the last 40-50 years. Their low cost makes them an economical solution especially for those clients that are not concerned about high processing speeds and production rates. They are very versatile and are used also on a resin line to remove the extra amount of cured resin during the process.

The line is completed with our PORALUX line of products, able to raise the gloss of a polished finish without incurring in "orange peeling" or shadowing effects.



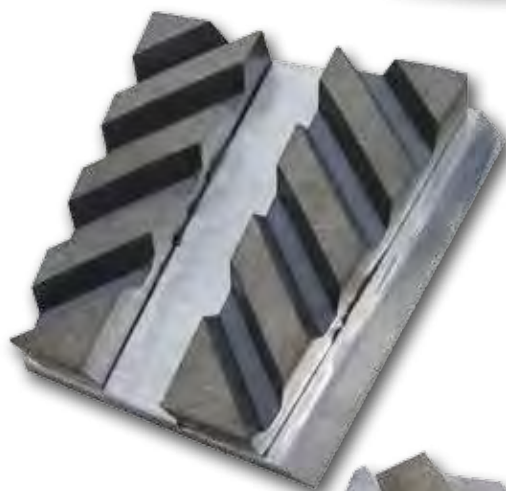
### GRIT SIZES AVAILABLE

36	46	60	80	120	220	400	600	800	1200	Lux
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## CALIBRATORS

Special formulation calibrators to achieve maximum removal rate keeping a smooth finish on the surface. Available for the majority of tile or slab line (GMM™/CEMAR™, SIMEC™, BRETON™, etc) both for marble and concrete. Side Calibrator and beveller available on request as well.



## METAL BONDED EVOLUTION

Available in 2 geometries RV or PT these Frankfurt metal bonded are ideal for following up the calibrator and preparing the surface to a subsequent polish finish. The Frankfurt EV comes in marble and concrete formulation to achieve maximum life and optimal speed of removal.



### GRIT SIZES AVAILABLE

36	46	60	80	120
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## FINE GRAIN DIAMOND

This newest technology allows a mirror like polish on marble and terrazzo. Their life makes them cheaper to run then regular synthetic abrasives and allows machines to go faster with much less corrosion on the exposed metal due to the inert nature of the abrasives. They come in 3 different hardness of bond all the way to the finest grains.

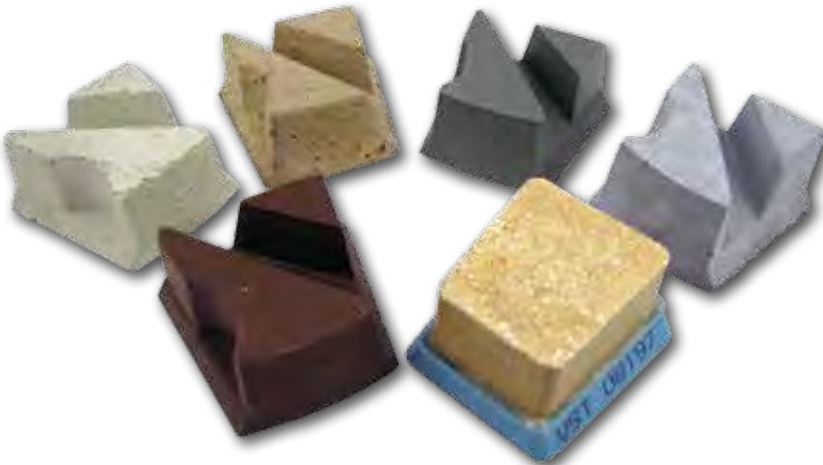
### GRIT SIZES AVAILABLE

60	80	120	220	320	400	600	800	1200
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## SYNTHETIC - MAGNESITE - 10 EXTRA

Traditional abrasives useful in any kind of polishing softer materials. The 10 EXTRA are the original acid polishing bricks that guarantee a mirror like finish on any kind of marble surface. They comes in 3 different hardness and formulations (VS, VST, VSH).



### GRIT SIZES AVAILABLE

60	80	100	120	220	280	320	360
400	500	600	800	1000	1200	CLEANER	10 EXTRA

## BEVELLER



Extra aggressive and long lasting these bevellers are the optimal companionship for machines like BMR™ and ANCORA™ in porcelain tile manufacturing. Their extremely high life and removal rate makes them a necessity for high performance production lines and technologically advanced ceramic manufacturers.

## TASS 14 CM



Available to achieve the perfect “lappato”, “campo pieno” and “lappato in cresta” finish. With 6 different hardness they are the answer for any high production challenge and finish.

### GRIT SIZES AVAILABLE

120	180	220	300	400	600	800	1000
1200	1200	1800	3500				

## LATERAL CALIBRATORS

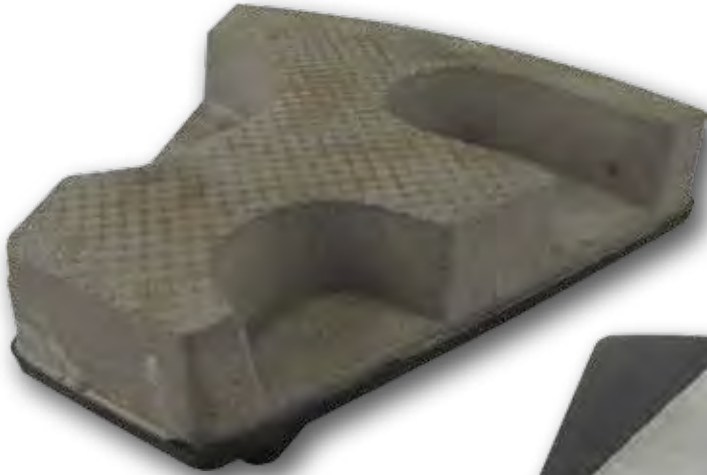


Latest TENAX technological development, using the proprietary “FUSION” technology. These tools guarantee the maximum removal rate keeping the surface smooth and clean. Extra long life and extremely hard “plastic” makes them comparable to the metal counterpart in terms of performances at a fraction of the cost.

## CASSANI ABRASIVES

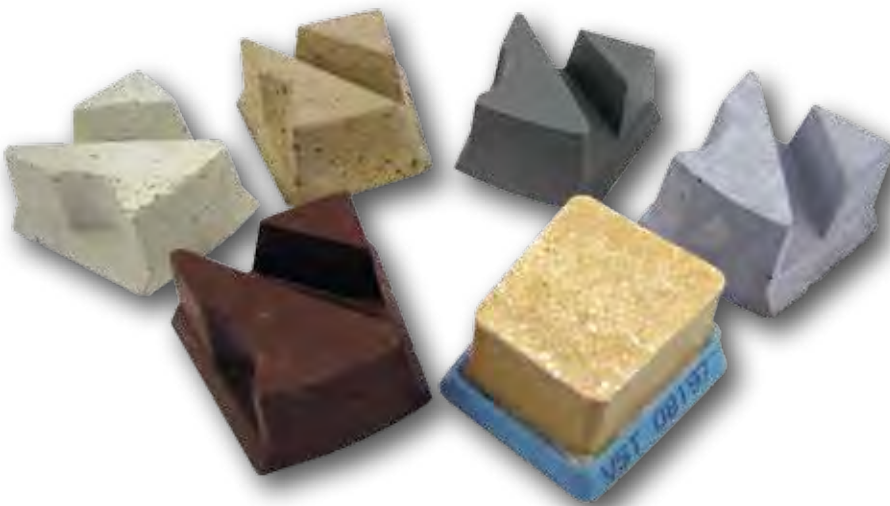
Special formulated tools to hone or polish concrete aggregates both on CASSANI machines or on FRANKFURT holding machines (GMM™/CEMAR™, etc).

Available in 2 different diameters 640 and 790.



### GRIT SIZES AVAILABLE

60	120	220	320	400
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## FRANKFURT

Traditional abrasives useful in any kind of polishing softer materials.

### GRIT SIZES AVAILABLE

60	80	100	120	220	280	320	360
400	500	600	800	1000	1200	CLEANER	10 EXTRA



## FUSION Q

Our proprietary FUSION Q technology allows a smoother and more gradual polishing steps (thus providing a deeper polish and less shadowing ), a higher removal rate and 90% reduction of slab re-polishing. The long lasting formulation makes them extremely economical and a true necessity for quality oriented manufacturers.

### GRIT SIZES AVAILABLE

60	80TT	100	100TT	120	120TT
150	150TT	220	220TT	240TT	320TT
400TT	500TT	600TT	800TT	1000TT	1200TT



## QUARTZ BRUSHES

Achieve an unique feel and look on your quartz surfaces. This patented technology allow a smooth, stain resistant finish that complements the traditional polished look. Available to produce from a mat finish to a rich color and texture with a hint of gloss.

### GRIT SIZES AVAILABLE

120	180	220	300	400	400EX
600	600EX	600	800EX	1200EX	2000EX



## W EDGE POLISHING WHEELS

Edge polishing wheels developed for quartz polishing straight edge and bullnose automatic machines. They work great on light color materials without leaving any color residues and bringing up a high gloss with no shadows.

### GRIT SIZES AVAILABLE

60	80	120	220	400	600
800	1000	1200	1500	2000	3000



TENAX Silicon Carbide brushes can be used on marble, limestone and other soft stones. Used to create a soft antique finish. These brushes have a high bristle count. Warning: Not recommended for granite or engineered stone.

## FRANKFURT SILICON CARBIDE BRUSHES



### GRIT SIZES AVAILABLE

36	46	60	80	120	240	320	500
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## 4" SNAIL LOCK SILICON CARBIDE BRUSHES



### GRIT SIZES AVAILABLE

36	46	60	80	120	240
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## 5" SNAIL LOCK SILICON CARBIDE BRUSHES



### GRIT SIZES AVAILABLE

36	46	60	80	120	240	320	500
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## 14CM SECTOR SILICON CARBIDE BRUSHES



### GRIT SIZES AVAILABLE

36	46	60	80	120	240	320	500
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Airflex brushes remove the “softer” material in the stone to create a beautiful texture while enhancing the natural color in the stone. Made with many narrow bristles, the TENAX Filiflex removes material more aggressively and cuts deeper to create a nice antique look. The TENAX Airflex, which starts at 120 grit adds color and forms a beautiful soft antique look. Higher grits are available to create a “caress”, or polished finish. Available in Regular or Extra concentration for longer life and performance.

**Typical Antique Finish Sequence:**

Filiflex 36, Filiflex 46, Filiflex 60, Airflex 120, Airflex 220, Airflex 300



## FRANKFURT AIRFLEX/FILIFLEX BRUSHES

### GRIT SIZES AVAILABLE

120	220	300	400
300Lux	400Lux	600Lux	800Lux



## SNAIL LOCK AIRFLEX/FILIFLEX BRUSHES

Available in 4" and 5".

### GRIT SIZES AVAILABLE

120	220	300	400
300Lux	400Lux	600Lux	800Lux

## 14CM AIRFLEX/FILIFLEX BRUSHES

### GRIT SIZES AVAILABLE

120	220	300	400
300Lux	400Lux	600Lux	800Lux

Filiflex & Airflex are also available in Terzago, 6" Snail Lock and 4" Hook & Loop Velcro.

[www.tenax4you.com](http://www.tenax4you.com)

TENAX Diamond Brushes are extremely aggressive and excellent for breaking/removing the polish on slabs and creating a deep ANTIQUED texture. Designed for all types of natural and engineered stones. These brushes have a high bristle count and will leave a deeper texture than Filiflex and Airflex brushes.

## FRANKFURT DIAMOND BRUSHES

### GRIT SIZES AVAILABLE

36	46	60	120
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## 4" & 5" SNAIL LOCK DIAMOND BRUSHES

### GRIT SIZES AVAILABLE

36	46	60	120
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## 14 CM DIAMOND BRUSHES

### GRIT SIZES AVAILABLE

36	46	60	120
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## DIAMOND WIRE



**Squaring & Contour Wire**

TENAX USA has partnered with TOOLSTAR providing "Sales and Technical" support for a wide range of diamond wire rope in the USA and Canada. Wire Rope for Multi-wire, Squaring, Profiling, and Quarry machines. Cutting a wide range of materials from granites, marbles, basalts, serpentines, sandstones, and demolition construction wire.

\*Demolition construction wire is mainly used to cut bridges and concrete wall openings,(concrete with metal support mixtures)

Available in "Open and Closed" loops. (5mm-12.5mm) (32-40 beads per meter)(plasticized or rubber jointed)



**Marble & Granite Squaring & Contour Wire**



**Granite Quarry Wire**



**Marble Quarry Wire**



**Concrete Cutting Wire**



## Quarries Reinforcement Quarry Front Consolidation and Reinforcement



The quarries geological conditions are complex and the material is often very fractured. These blocks can not withstand transport from the quarry to a place dedicated to their reinforcement. The use of special resins, particularly resistant to cold and wet environment, and high tech supports allow an increase in quarry profitability from 3% to 25%, up to a 100% in the case of low banks. The quarry front can be consolidated before the cut or the block on the ground can be consolidated before being processed.

How it works: high-tech composite supports increase the mechanical properties of the reinforcement and special resins that penetrate the fractures of the material allow you to proceed to the cut phase.

### Block Reinforcement - Manual Application for small / medium cracks blocks recovery



Manual application of TENAXRock 50 epoxy system and fiberglass on the 4 sides of the block.

This solution, easy to apply, is characterized by:

- Excellent spreadability and verticality
- Excellent grip
- Hardening even at low temperatures
- High stability in time
- Cost saving

### Block Reinforcement - Vacuum Bag System for medium / big cracks blocks recovery



Vacuum Bag Epoxy Infusion System, with the use of fiberglass and TENAX epoxy system.

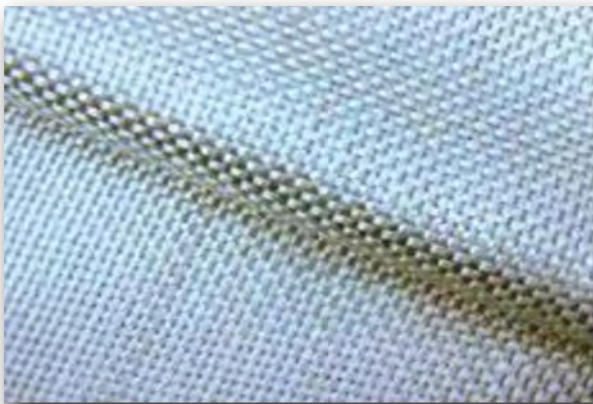
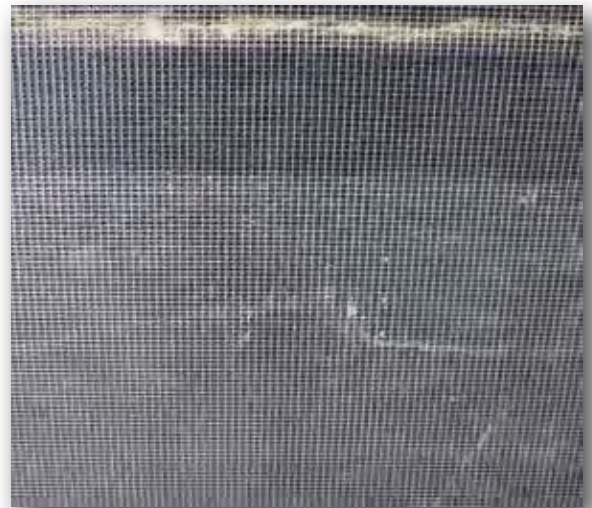
This solution is characterized by:

- High productivity, performance and strength
- Fast curing time
- Hardening even at low temperatures
- Possibility of saving severely fractured blocks



## FIBERGLASS

Fiberglass matting is designed for thin slabs and fragile stones that break easily, such as marble, onyx, etc. TENAX fiberglass mesh is designed in 1/4" squares and come in different widths to match stone applications.



### SIZES AVAILABLE

5' X 1000' (150cm X 300m) Roll

6' x 1000' (180cm x 300m) Roll

Fiberbllass 300 grs/sq. mt. Mat H120

## NEW EPOXY SYSTEMS

Top quality epoxy resins manufactured and signed by Tenax. A new generation of bi-component systems to guarantee maximum strength, purity and transparency and the lowest yellowing possible caused by UV rays.



EXTRA CLEAR



EXCELLENT SHELF LIFE



VERY LOW YELLOWING



VERY HIGH ADHESION



EXCELLENT STABILITY IN THE SUNLIGHT



# ABELION



**Resins** - A line of ultra clear resins with excellent transparency obtained by the use of raw materials accurately selected and innovative production processes conducted in a controlled atmosphere.

**Hardeners** - a range of hardeners specially designed to guarantee extremely low yellowing and excellent stability of the epoxy system by use of raw materials accurately selected and innovative production processes in a controlled atmosphere.



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