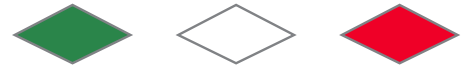


# Refrattari Speciali

ceramic rollers & kiln spare parts



## KILN BOOK

2026-2027



MADE IN ITALY



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# SILICON CARBIDE BURNER CONES AND DIFFUSERS

our BURNER CONES and diffusers in SILICON CARBIDE are characterized by:

- very good thermal shock resistance
- greater resistance to usury and corrosion
- very good oxidation resistance
- easy installation
- longer service life compared to alumina burner cones
- maximum working temperatures



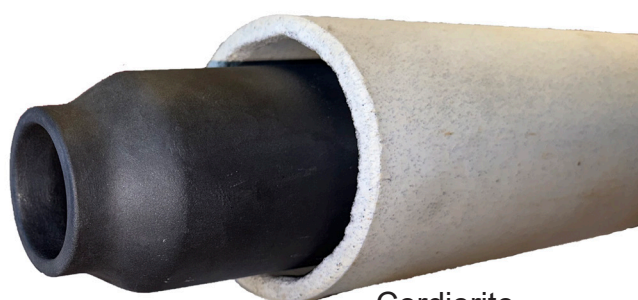
| Length (m)      | Øin (mm) | Øout (mm) |
|-----------------|----------|-----------|
| 210             | 130/70   | 36        |
| 310             | 130/70   | 43        |
| 320             | 90/69    | 40        |
| 320             | 100/68   | 50        |
| 375             | 98/70    | 40 e 30   |
| 375             | 100/80   | 40        |
| 375             | 98/70    | 60,7      |
| 395             | 90/70    | 40        |
| 410             | 130/70   | 37        |
| 450             | 100/68   | 50        |
| 487 4 hole stop | 98/70    | stop      |
| 500 x Ray 5hole | 98/70    | 28        |
| 500             | 100/70   | 40        |
| 520 4hole stop  | 100/70   | stop      |

Diffusers



| Length mm)        | Øin (mm) |
|-------------------|----------|
| 170               | 94/85    |
| 470               | 89/70    |
| 470 4holes closed | 100/70   |
| 470 holes open    | 100/70   |

## CONE COVER



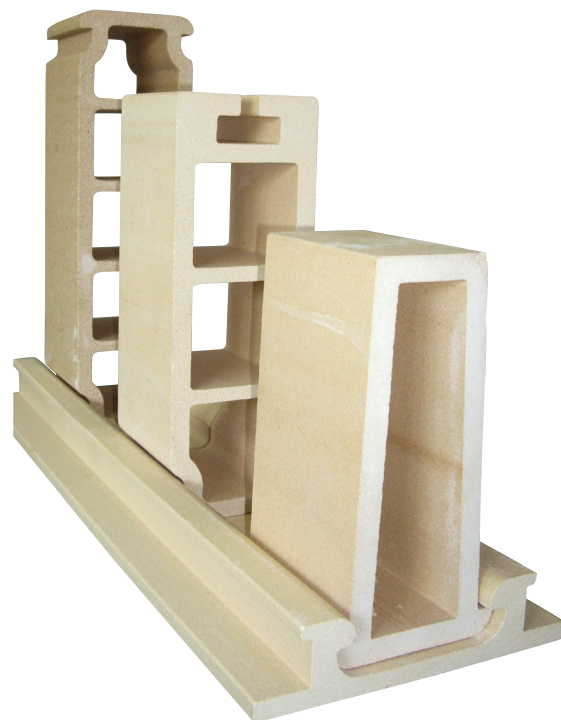
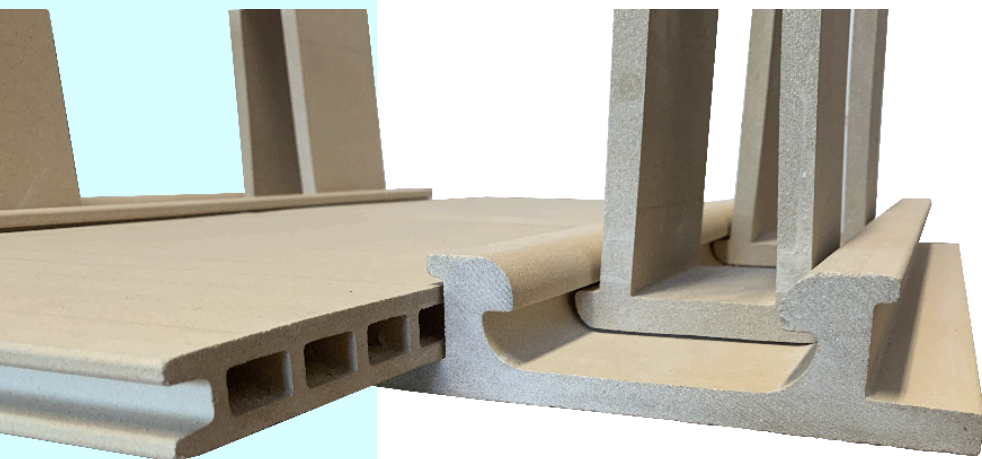
Cordierite



Fiber



# SACMI KILN VAULT



Supports

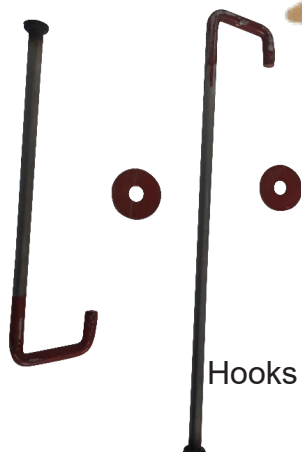
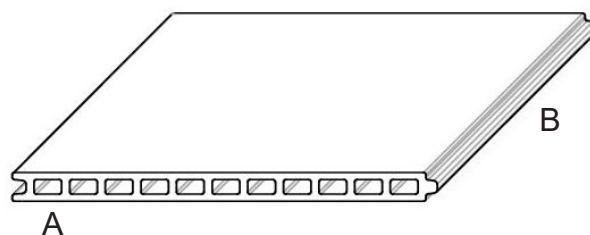
| Height | Depth |
|--------|-------|
| 385    | 120   |
| 310    | 120   |
| 225    | 120   |



Hanging Rail

| Width (mm) | Length (mm) |
|------------|-------------|
| 210        | On Request  |

Batts



Hooks

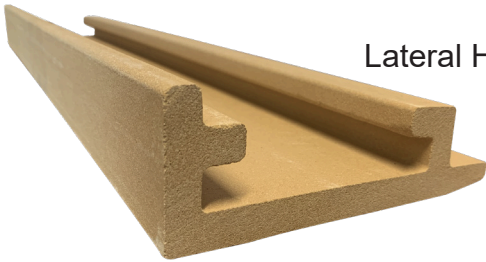


| A (mm) | B (mm) | Thickness |
|--------|--------|-----------|
| 360    | 370    | 25        |
|        | 405    |           |
|        | 225    |           |
| 410    | 370    |           |
|        | 405    |           |
|        | 225    |           |
| 500    | 370    |           |
|        | 405    |           |
|        | 225    |           |





# SITI/WELKO KILN VAULT

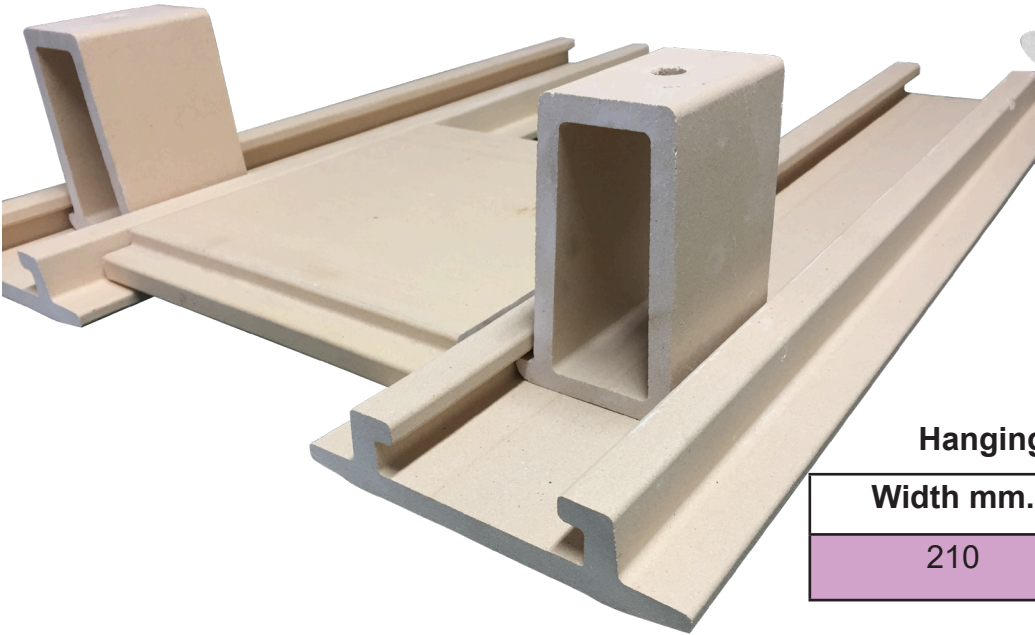


Lateral Hanging Rail



Supports

| Height (mm) | Depth (mm) |
|-------------|------------|
| 160         | 110        |
| 225         | 120        |

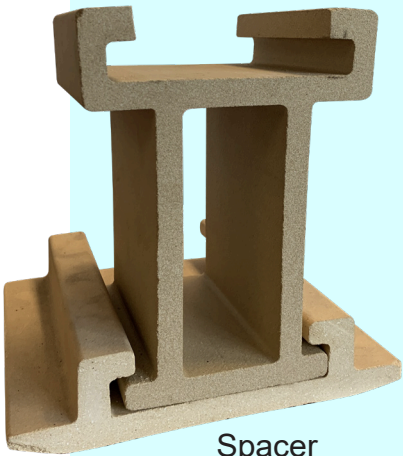


Hanging Rail

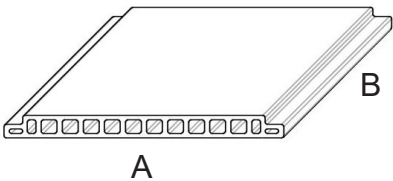
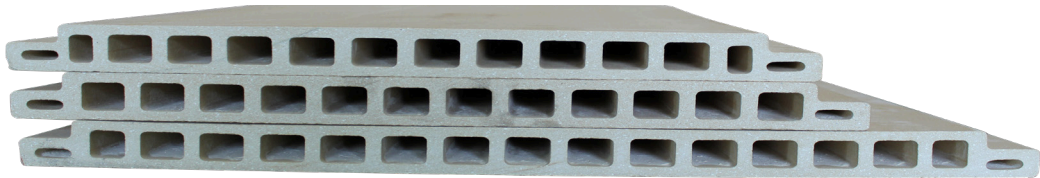
| Width mm. | Depth      |
|-----------|------------|
| 210       | On Request |

Batts

| A (mm) | B (mm) | Thickness (mm) |
|--------|--------|----------------|
| 371    | 305    | 30             |
|        | 135    |                |
| 396    | 305    |                |
|        | 135    |                |
| 470    | 305    |                |
|        | 135    |                |

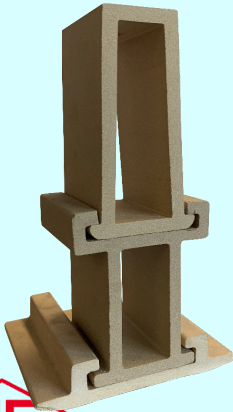


Spacer



Joint

| Width mm. | Depth      | Th. mm. |
|-----------|------------|---------|
| 48        | On Request | 11      |





# CRUCIBLES

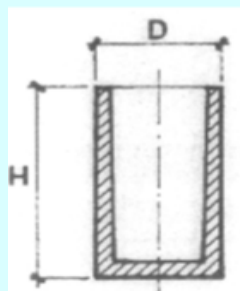
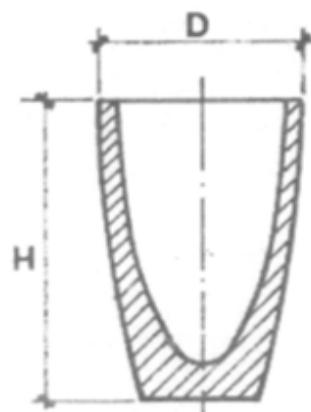
containers in refractory material resistant to high temperatures.

In particular, the prevailing mineralogical phase is mullite. The product can be used until a maximum temperature of 1500°C.

Ideal for tests on frits and for the production of small quantities, but they can also be used for melting or calcination of small quantities of material at the laboratory level.



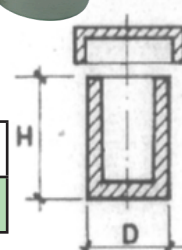
| D(mm) | H(mm) | Capacity (L) |
|-------|-------|--------------|
| 130   | 195   | 0,90         |
| 162   | 250   | 1,90         |
| 172   | 260   | 3,00         |



| D(mm) | H(mm) | Capacity (L) |
|-------|-------|--------------|
| 100   | 90    | 0,27         |
| 100   | 170   | 0,55         |
| 105   | 200   | 0,80         |



| D(mm) | H(mm) | Capacity(L) |
|-------|-------|-------------|
| 46    | 80    | 0,04        |





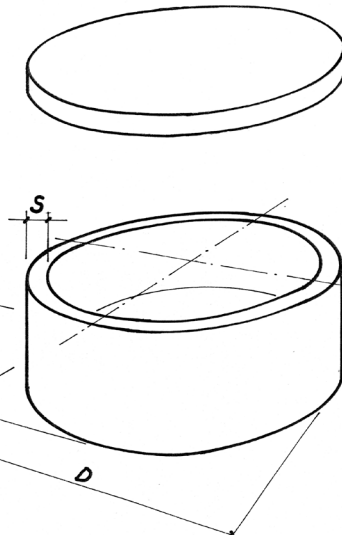
# OXIDE CALCINING SAGGARS

We can offer a wide range of formats, with or without holes, and with lid

|     | Quality     | Temp.exercise |
|-----|-------------|---------------|
| STD | Cord.-Mull. | 1300°C        |
| HT  | Mull.       | 1400°C        |



| D(mm) | H(mm) | S(mm) |
|-------|-------|-------|
| 210   | 116   | 10-12 |
| 250   | 80    | 14    |
| 250   | 110   | 14    |
| 250   | 135   | 14    |
| 260   | 135   | 14-15 |
| 320   | 100   | 14-20 |
| 360   | 100   | 18-22 |



We monitor various production parameters to determine the final quality of the product, such as: water absorption, thermal shock resistance, constant weight of production lots, pressing of the wall and of the bottom, particle size analysis, etc ...

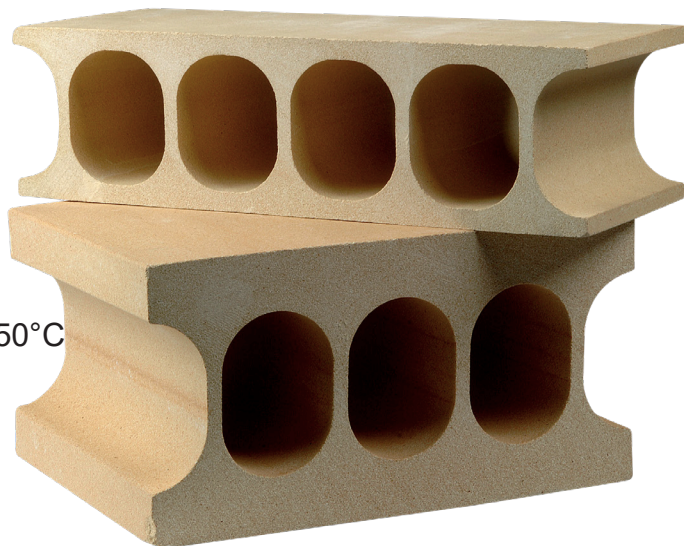


# ROLLER PASSAGES

Our extruded roller passages can cover all the range of existing roller kilns on the market.

According to the specific needs of the kiln, we can offer two different qualities:

- CORDIERITE for maximum working temperature 1250°C
- CORDIERITE/MULLITE for maximum working temperature 1350°C



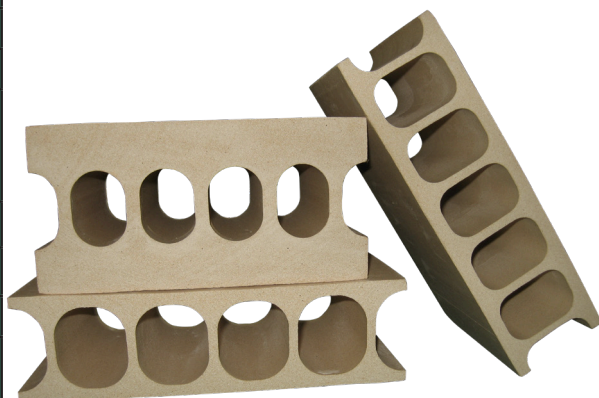
**SACMI DOUBLE CHANNEL ROLLER PASSAGE:**

|      | Pitch | Length (W) | Height (H) | Depth (P) |
|------|-------|------------|------------|-----------|
| INF. | 60    | 297        | 114        | 205/180   |
| SUP. | 60    | 297        | 114        | 205/180   |

**SACMI ROLLER PASSAGE**

| Pitch | Length (W) | Height (H) | Depth (P) |
|-------|------------|------------|-----------|
| 70    | 346        | 114        | 180       |
|       |            |            | 145       |
|       |            |            | 90        |
|       | 205        | 114        | 180       |
|       |            |            | 180       |
|       |            |            | 180       |
| 67,7  | 268        | 114        | 180       |
|       |            |            | 145       |
|       |            |            | 90        |
| 60    | 297        | 82         | 180       |
|       |            |            | 180       |
|       |            |            | 195       |
| 37    | 183        | 82         | 180       |

**AVAILABILITY:** We can offer a large range of roller passages with different pitches and lengths, characterized by thin thicknesses. Further formats can be realized on request.



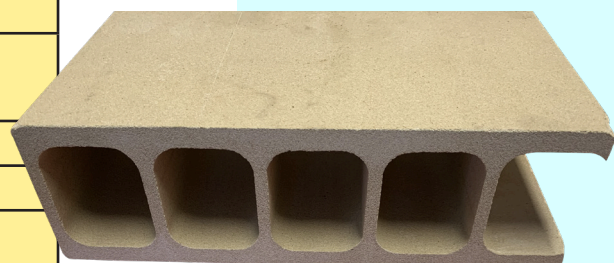


# ROLLER PASSAGES



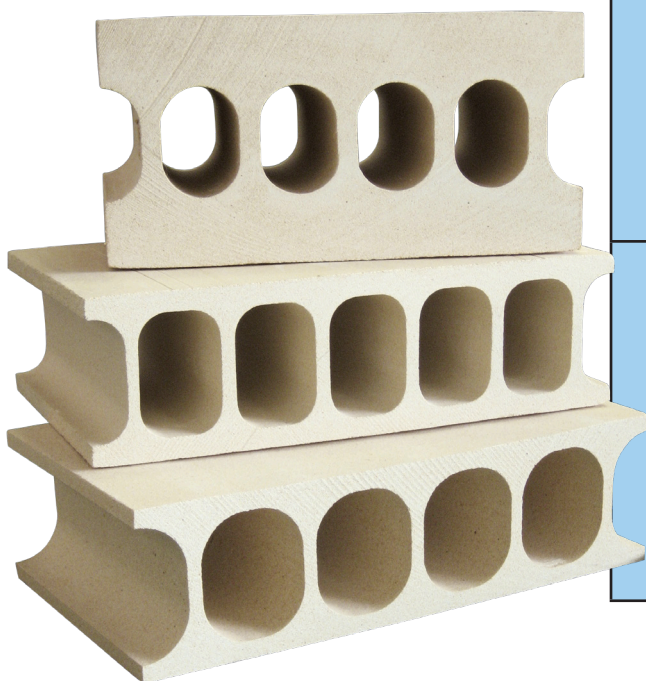
**SITI ROLLER PASSAGE**

| Pitch (mm) | Length (W) | Height (H) | Depth (P) |
|------------|------------|------------|-----------|
| 67,7       | 403        | 115        | 200       |
|            | 335        |            |           |
|            | 267        | 91         | 170       |
|            | 231        |            |           |
| 60         | 357,5      | 115        | 200       |
|            |            | 91         | 170       |
|            | 297        | 115        | 200       |
| 56,75      | 394        | 115        | 100       |
|            | 337        |            |           |



**WELKO ROLLER PASSAGE**

| Pitch (mm) | Length (W) | Height (H) | Depth (P) |
|------------|------------|------------|-----------|
| 72,4       | 357        | 100        | 170       |
|            |            |            | 150       |
|            | 319        | 100        | 170       |
|            |            |            | 150       |
| 67,7       | 284,5      | 100        | 170       |
|            |            |            | 150       |
|            | 266        | 100        | 170       |
|            |            |            | 150       |
| 60         | 231        | 100        | 170       |
|            |            |            | 150       |
|            | 235        | 100        | 170       |
|            |            |            | 150       |
|            | 204        | 100        | 170       |
|            |            |            | 150       |



**OTHER**

| Tipe of Kiln | Pitch | Length (W) | Height (H) | Depth (P) |
|--------------|-------|------------|------------|-----------|
| Nasseti      | 60    | 238        | 124        | 180       |
| Tecoma       | 60    | 223        | 115        | 180       |
|              | 46    | 183        | 82         | 170       |
| Kemac        | 48,8  | 288        | 82         | 180       |





# IDEAL CHICANE



**SINGLE Version**



The kiln chicane has always represented an important element as it delimits an area that must maintain a constant and controlled temperature.

But the chicane is a double-edged sword because it could also prove to be the cause of any "jumping problem".

That's how the experience of the best ceramic technicians gave birth to

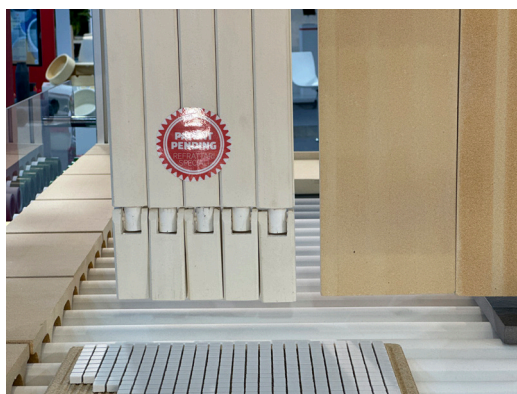
a new Chicane concept.

The IDEAL chicane!

A barrier made of innovative material that is more resistant to chemical aggression, which entirely replaces the current rigid cordierite or fibre chicane, with the great advantage of having a tilting part in the area close to firing zone.



This is the Single version which allows each MODULARS to rise and facilitate the passage of anything that could become a serious problem.



**Remember that the IDEAL CHICANE is only REFRATTARI SPECIALI**

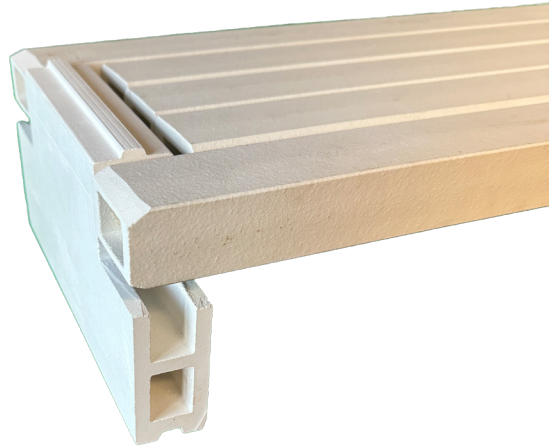




# IDEAL CHICANE



**MULTIPLE version**



The ideal solution to avoid "Jumping problem" inside roller kiln.  
.No more chicanes crumbling and falling on the material.  
.No more chicanes that break and get stuck between the ceramic rollers.  
.No more fibre causing health problems.  
Composed only of recyclable ceramic materials



the tilting system patented by Refrattari Speciali is a reality. The roller kiln will gain more performance, and safety for the operators will be optimal.

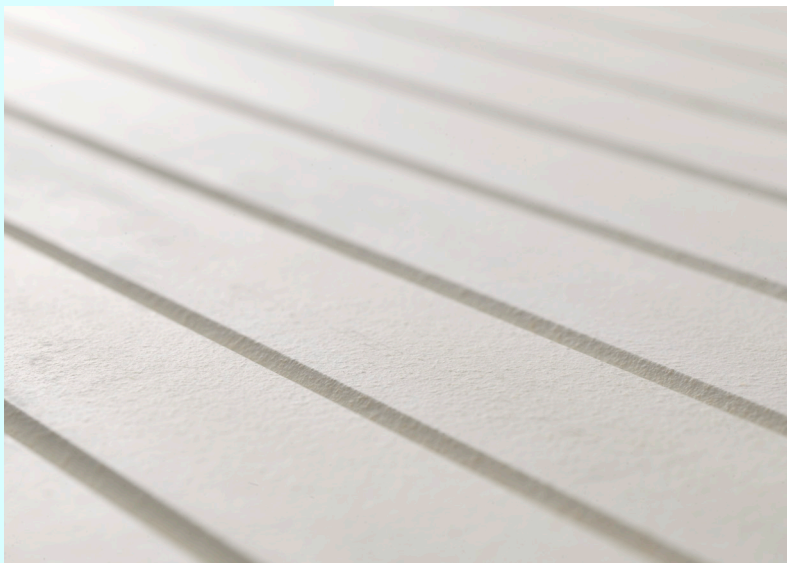


**Remember that the IDEAL CHICANE is only REFRATTARI SPECIALI**

[info@refrattari-speciali.it](mailto:info@refrattari-speciali.it)

[www.refrattari-speciali.it](http://www.refrattari-speciali.it)

# MODULARS





# MODULARS



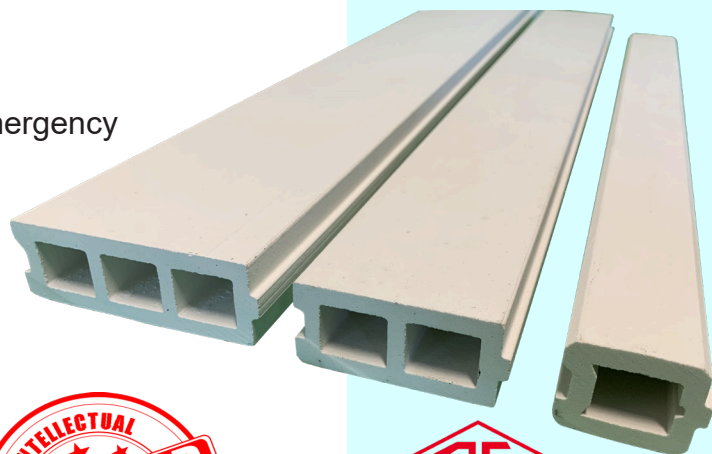
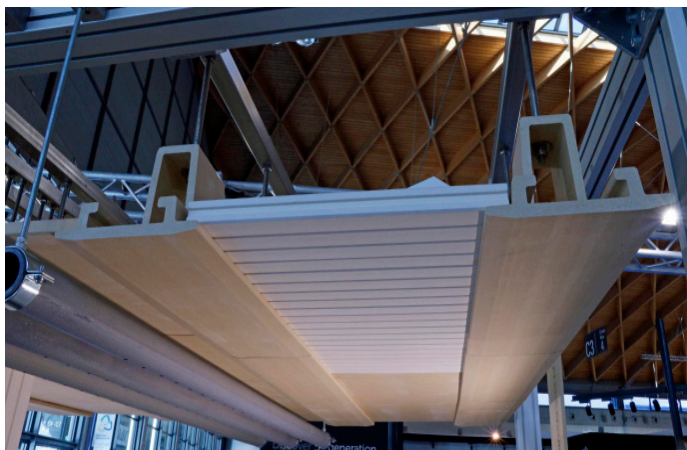
**MODULARS** is an innovative and versatile refractory element made with a high mechanical strength material, therefore can be obtained narrow and very long bars, up to 3000 mm.

Flanking the complementary elements between them, it forms a continuous surface without cracks between one element and the other. In this way we realize large ideal cooking plans, for example, for sanitary sector, where there are high loads.

High resistance to chemical attack results from the composition and low porosity. For this reason **MODULARS** is ideal as vault and walls lining in aggressive places

The particular geometry strikes the imagination:

**MODULARS** can remedy any need, especially in emergency case, with a simple cut.



# BLOWER UP MixSIC



MixSIC



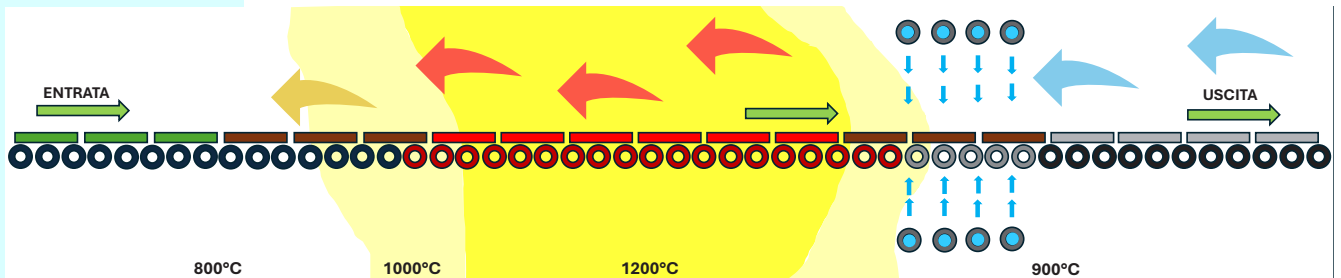
There are 3 types of blower rollers (BLOWER UP) :

1. metal - now out of production due to the well-known problems caused by soiling in the form of rust dust that was deposited on the tiles while they were still solidifying.
2. silicon carbide - typical equipment characterised by strong resistance to bending.



3. MixSIC Refrattari Speciali- this is the solution adopted by many ceramics that find in MixSIC Refrattari Speciali the solution to the problems arising from very high temperatures and the simultaneous introduction of air at room temperature. It is characterised by a high percentage of silicon carbide, mixed with refractory compounds, making it a viable alternative. Suitable for the static position of the fast cooling zone.

**Blower UP MixSIC**



Advantages of **MixSIC Refrattari Speciali** :

- . Shorter lead times
- . Standard diameters
- . Customisation of holes (diameter and geometrical arrangement)
- . Much more accessible price compared to other materials
- . All this makes the MixSIC Refrattari Speciali blower roller the perfect solution to today's production requirements.





# CORDIERITE CHICANES

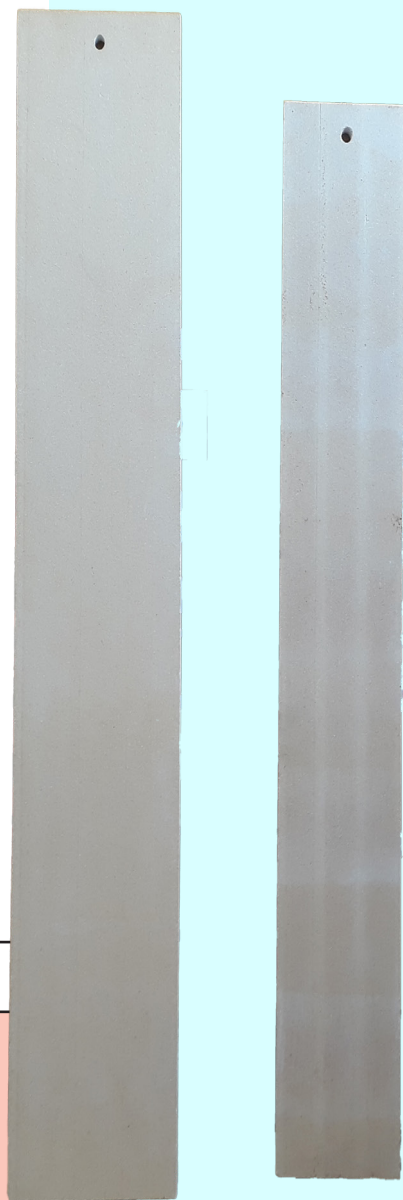
**CHICANES** are made of Cordierite Aluminous material. Material is characterized by a low thermal expansion coefficient and by a very good thermal shock resistance. This product is made through the extrusion process, which gives the piece high mechanical strenght.



**APPLICATIONS:** chicanes are used as a vertical separator septum to create separate areas inside the kiln. This allows to uniform and maintain constant the temperature of the various kiln modules, consequently improving the quality of the products. Through the hole at the top chicanes are fixed to an anchor which in turn is hooked directly to the carpentry of the kiln.

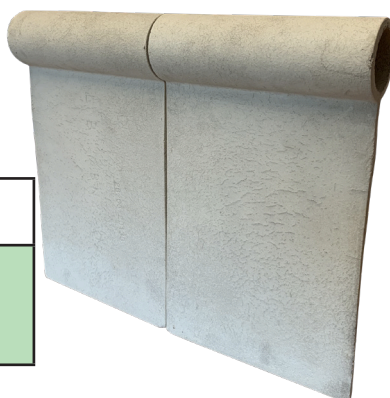
| Length (mm) | L.(mm) | Th.(mm) |
|-------------|--------|---------|
| 120         | 885    | 12-13   |
|             | 955    |         |
| 150         | 885    |         |
|             | 955    |         |
| 195         | 885    |         |
|             | 955    |         |

**AVAILABILITY:** Chicanes are available in many formats according to the needs, and can also be realized some personalized sizes.



## CHICANES FOR DOUBLE CHANNEL

In addition to cordierite chicanes, we can also offer you tilting mullite chicanes to equip your double channel kiln. A SiSiC bar is passed through the hole which acts as a sin anchor, and this in turn is fixed to the kiln carpet.



### CHICANE MODULARS



NEW

| Length (mm) | L.(mm) | Th.  |
|-------------|--------|------|
| 270,5       | 200    | 8-12 |
| 330,5       |        |      |



# CERAMIC ROLLERS

Our over thirty years of experience in the production of ceramic rollers and constant research and experimentation, carried out with the collaboration of the main world users, allows us to offer a complete range of qualities for all uses.

## K400



Standard quality ceramic roller for general purposes.

**Recommended in pre-heating and cooling zones.**

It can work at 1180°/1190°C in low chemical aggression conditions.

## K400R



Very good resistance to chemical aggression.

Good resistance to flexure.

**Highly recommended for the production of classic and single-fired porcelain stoneware.**

## K600



It is the optimal evolution of K400R.

It has a lower absorption and a higher resistance to flexure.

It can work at a high speed whilst maintaining constantly high parameters.

This makes it an ideal choice when the production capacity of the kiln is increased.

## K2000



It resists acid or basic pH, therefore it is particularly handy when it comes to clay with a high percentage of sodium or potassium and glaze containing aggressive frit.

**It is used for the production of glazed porcelain stoneware, neutral technical stoneware and with crystal surface finishes, thick products or when extra long rollers are needed.**

## K2000HL



It has a greater resistance to flexure, when hot, compared to K2000, which makes it suitable for tiles with a thickness from 20 to 30 mm.

**Heat resistance at the highest level, suitable for thickened and large slabs.**

It is manufactured using special raw materials.

## KX



It's designed purely for thickened formats: it reaches stiffness and bending resistance levels never achieved before. Accurate raw materials selection and higher firing temperatures allow to obtain deeper roller sintering: that permits to achieve a great increase of thermo-mechanical properties and a smoother roller surface.

In this way the sediment on the roller surface can be limited, this let to reduce the frequency of maintenance, then the costs. **SUITABLE FOR XXL AND HIGH THICKNESS PRODUCTS**

## CARSIAL



**Silicon carbide roller for the rapid cooling zone.**

It solves tension problems caused by the introduction of cold air at high speed.

## PRECAUTION FOR USE:

**STORAGE:** keep the ceramic rollers in dry places, don't expose them to bad weather. Lay the boxes on flat surfaces to avoid distortion to the material.

**INSERTION IN THE KILN:** dry the ceramic roller evenly before insertion in kiln (preferably in dryer zone), in order to eliminate residual moisture as much as possible. Insert the ceramic roller in the kiln as quickly as possible and rotate it at the same speed as the pulling.

During working the ceramic roller must always be in rotation; if this were to stop, the heat of the kiln and the load would irreparably deform the product (hot bending).

**EXTRACTION FROM THE KILN:** the correct operation requires a slow temperature drop down to 1000 ° -1050 ° C, then the ceramic roller can be extracted.

The result (if the roller has not undergone particular chemical aggressions) will save a considerable percentage of them.

This operation becomes indispensable when working with thick ceramic rollers. The thermal behavior of these involves a much slower operation of lowering the temperature at about 900-950°C.

- check that the temperature of the roller allows it to grip
- check that there are no slag or sharp parts on the roller
- help yourself by using hooks covered with insulating material
- lay the hot ceramic roller on appropriate supports and keep it rotating during cooling
- absolutely avoid contact of the hot roller with cold material (metal, floor, etc.)
- remove the still usable mechanization components from the old roller





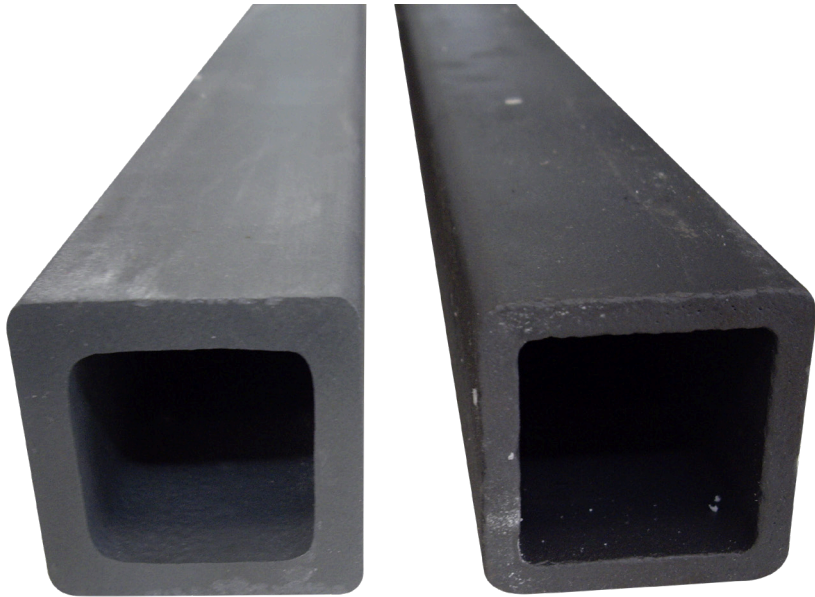
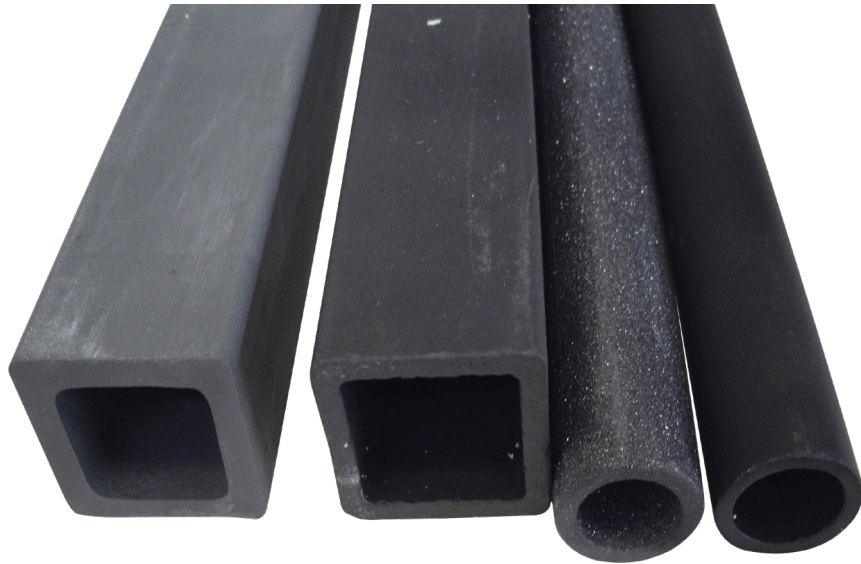


# Si-SiC BARS and Si-SiC ROLLERS

Si-SiC Silicium Carbide is a material with very interesting characteristics for ceramic applications. It's a ceramic material with a very high elasticity module, exceptional hardness and a low linear expansion coefficient.

The material is produced with square, rectangular or round tubular patterns; or in plates.

|       |
|-------|
| 20x20 |
| 30x40 |
| 40x40 |
| 40x50 |
| 40x60 |
| 50x50 |
| 50x60 |
| 60x60 |





# SPECIAL ROLLERS

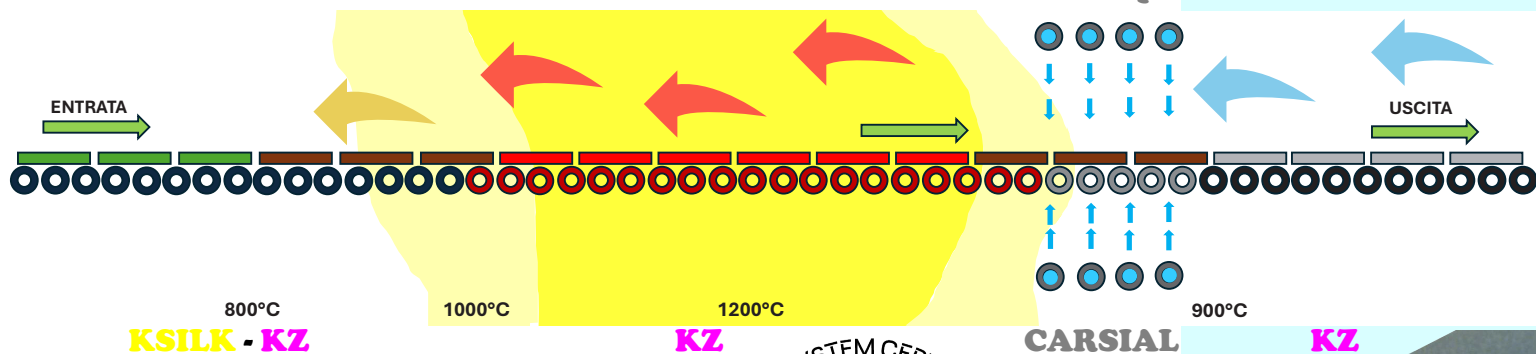


**TOOTHED ROLLER (KZ)**

Toothed roller for rapid cooling zone. It allows passage of air between the roller and the product in the cooling zone. In this way, it is possible to avoid the longitudinal undulating effect on the roller hence reducing the so-called "jumping" effect on the tile.



**Blower Up MixSIC**



**CARSIAL**



It's indicated for first rapid cooling zone. In this way it's possible to eliminate the longitudinal wave effect on the roller, decreasing the "jumping" effect on the tiles.



**BLOWER UP ROLLER**

Blower Up roller for rapid cooling zones. It's available in 100% Silicon Carbide or Mix Silicon Carbide.



**K-SILK**



Smooth and soft surface equal to the silk. Roller with very low absorption and high bending resistance.

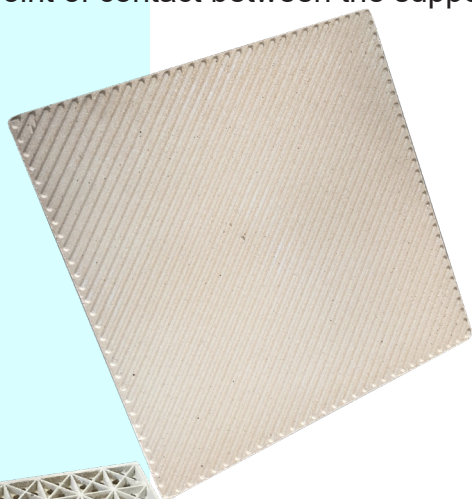
Developed for preheating zone of the kiln, it doesn't suffer chemical attacks. K-SILK is a performance Roller and helps the hard production process, especially in the kiln with large mouth. K-SILK finds its best expression of work between 200°C and 800°C.

# Supporting SLABS for Roller KILN

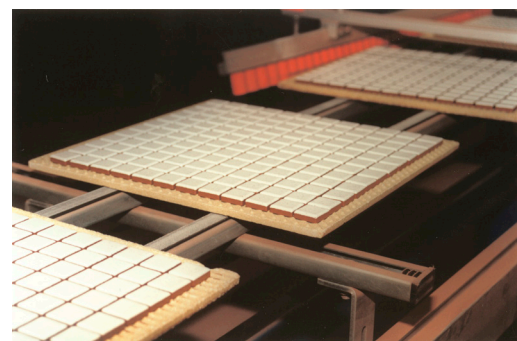
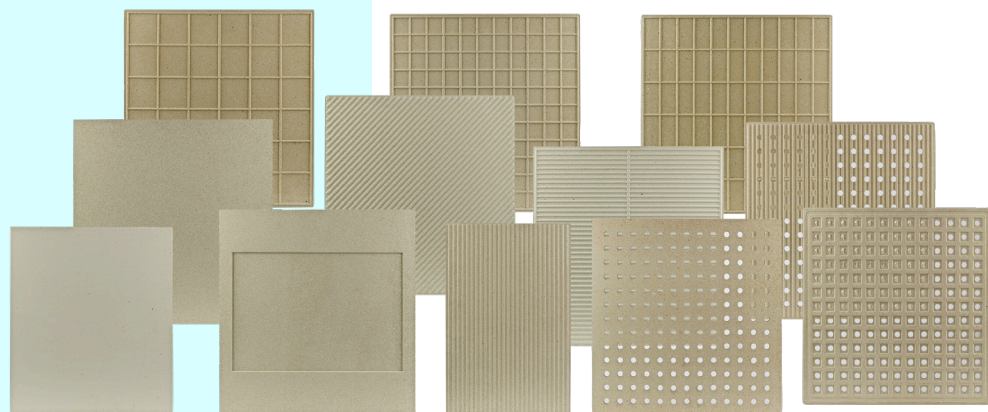
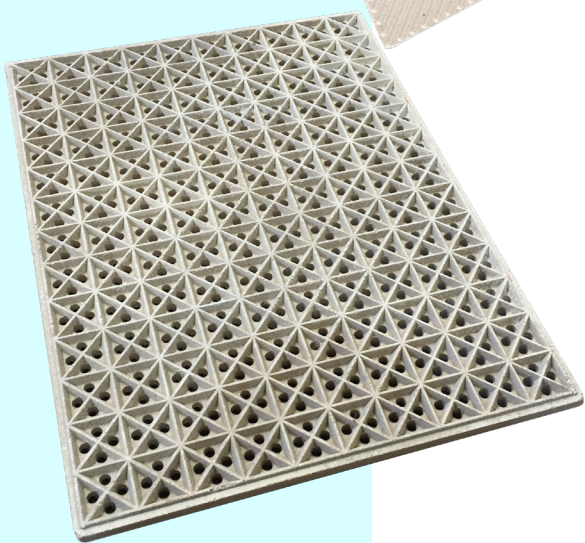
The firing system in roller kilns for ceramic products such as mosaic, tableware and special pieces is a valuable ally in the Special Refractory plates.

The material and geometry are carefully designed to obtain resistant and light plates.

The excellent mechanical strength allows the safe handling with any type of automation; the low coefficient of expansion causes the plates are suitable for extremely rapid cycles; geometries are characterized by thin thicknesses (max 12 mm), holes and ribs that reduce the mass to be heated and the point of contact between the support and the workpiece in firing, with considerable energy savings.



| Format                        | AxB (mm) | Th(mm) |
|-------------------------------|----------|--------|
| Holed Slab                    | 340x340  | 11     |
| Smooth Slab                   | 350x350  | 10-15  |
| Holed Slab                    | 450x450  | 15     |
| Superperforated Slab          | 480x360  | 15     |
| Holed Shaped Slab             | 400x380  | 12     |
| Holed Shaped Slab             | 520x360  | 12     |
| Holed Shaped Slab             | 560x460  | 12     |
| 2 sides Stripped Slab         | 330x220  | 9      |
| 1 side/ 2 sides Stripped Slab | 340x340  | 10     |
| 2 sides Stripped Slab         | 457x457  | 12,7   |
| 1 sides Stripped Slab         | 457x457  | 11-14  |
| 1 sides Stripped Slab         | 490x490  | 15     |





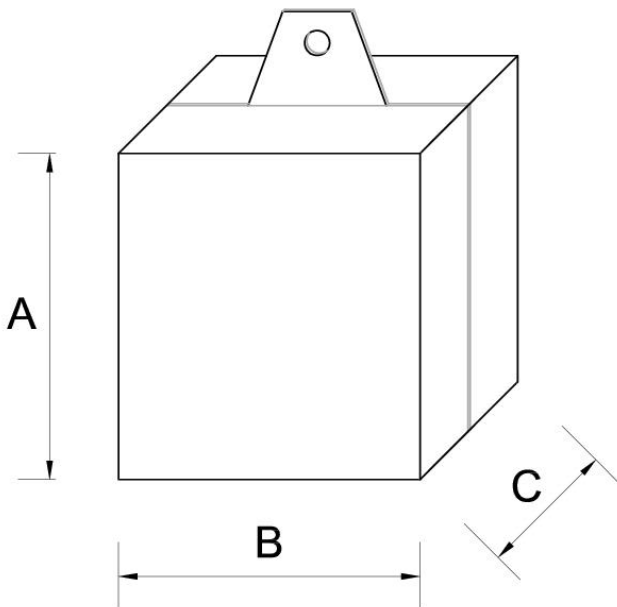
# INSULATING ROOF BLOCK

Insulating blocks for kiln vault are a range of products designed for use in suspended flat roofs.

Each block is composed by two JM insulating brick sections, firmly bonded with concrete and with a stainless steel support plate included.

Insulating blocks for roof are used mainly as a surface layer in kiln vault, replacing classic arched roofs.

| Quality | exercise Temp. |
|---------|----------------|
| JM23    | 1260°C         |
| JM26    | 1430°C         |
| JM28    | 1540°C         |
| JM30    | 1650°C         |



A= Height  
B= Length  
C=Depth

ATTENTION: first written dimension is always HEIGHT (mm)

Common Formats

| AxB (mm) | C (mm) |
|----------|--------|
| 230x230  | 130    |
|          | 154    |
| 305x230  | 130    |
|          | 154    |
| 250x250  | 130    |
| 259x230  | 130    |
| 230x259  | 130    |



# SUPPORTING SLABS

Our supporting slabs are made of CORDIERITE/MULLITE and can be used until 1300°C. They are used in many different ceramic fields because of the high resistance and the very low coefficient of expansion.

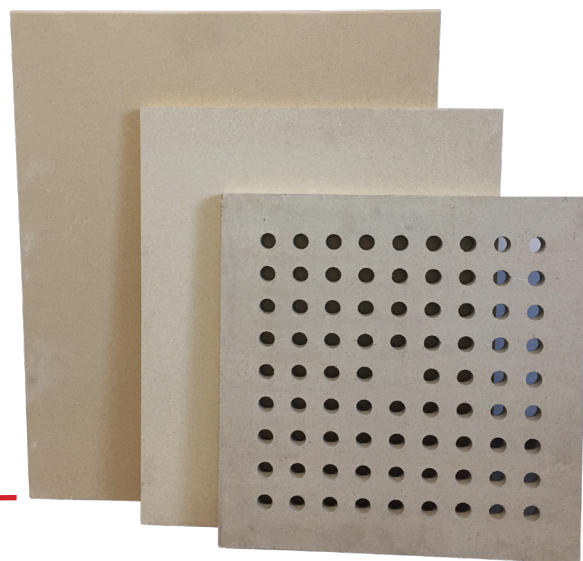
They are available in a wide selection of formats.

We have a high range of sizes, and further sizes can be realized on request.

EXAMPLE OF SOME FORMAT

| A x B(mm) | Th(mm) |
|-----------|--------|
| 400x400   | 15-40  |
| 450x450   | 15-40  |
| 490x490   | 15-40  |
| 520x520   | 15-40  |
| 600x500   | 15-40  |
| 720x600   | 15-40  |

| Perforated Slabs |       |
|------------------|-------|
| 450x450          | 14-40 |
| 490x490          | 14-40 |



# FOOD PLATES

It's our classic cordierite, used for the realization of a whole series of plates suitable for the food sector.

All our plates can be certified for cooking food use.

FORMAT EXAMPLE

| AxB (mm) | Th(mm) |
|----------|--------|
| 450x340  | 15     |

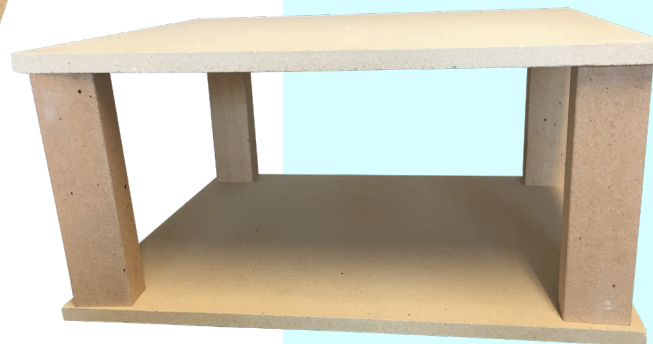
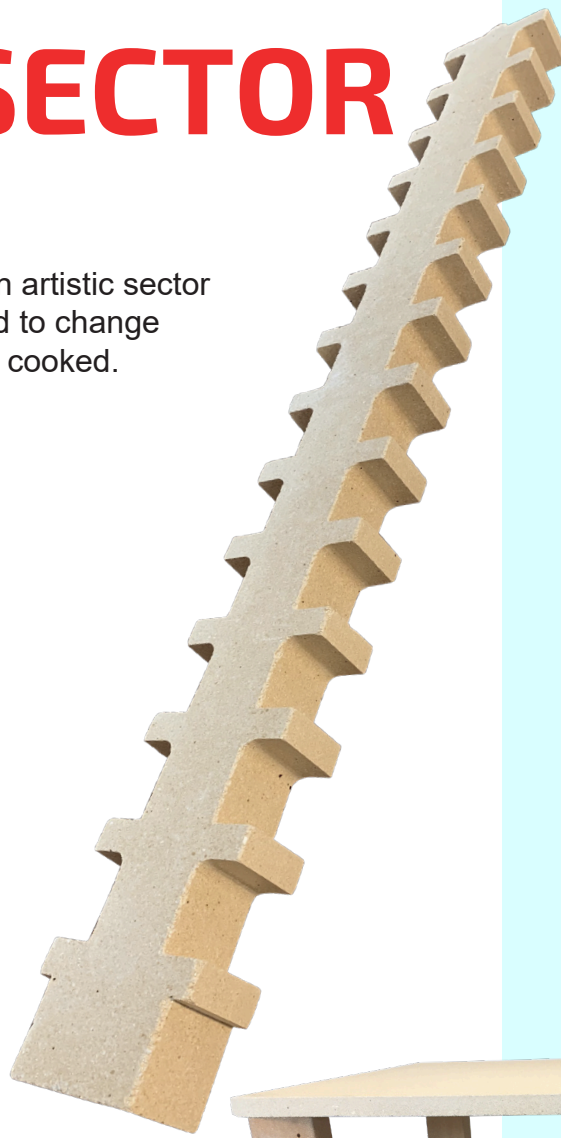
| Ø(mm) | Th(mm) |
|-------|--------|
| 250   | 10-15  |
| 310   | 10-15  |
| 350   | 10-15  |
| 380   | 10-15  |



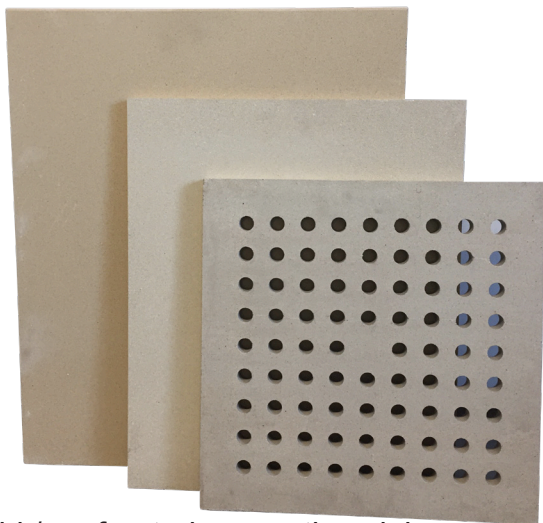


# ARTISTIC SECTOR

Column h 1000 mm + base  
Definitive solution for firing in artistic sector  
kilns, where there's the need to change  
the size of the product to be cooked.



Support + plates



Solid / perforated supporting slabs



# SANITARYWARE SECTOR

Extruded carrying slabs



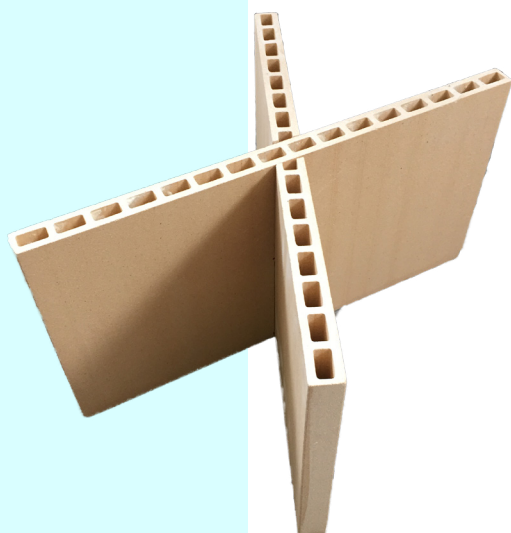
Extruded columns



Joint



Sanitaryware support



Cap



Fire dumper Batt



Base + Column and Cap

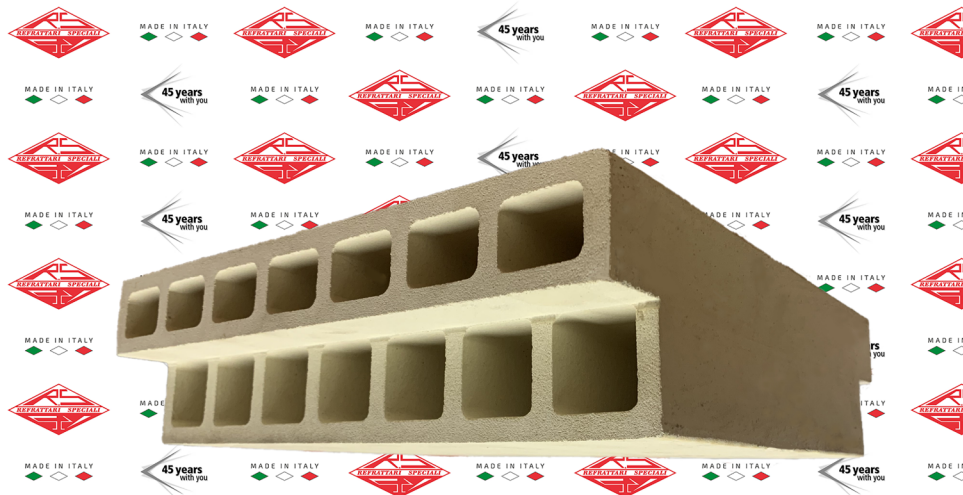


Spacer

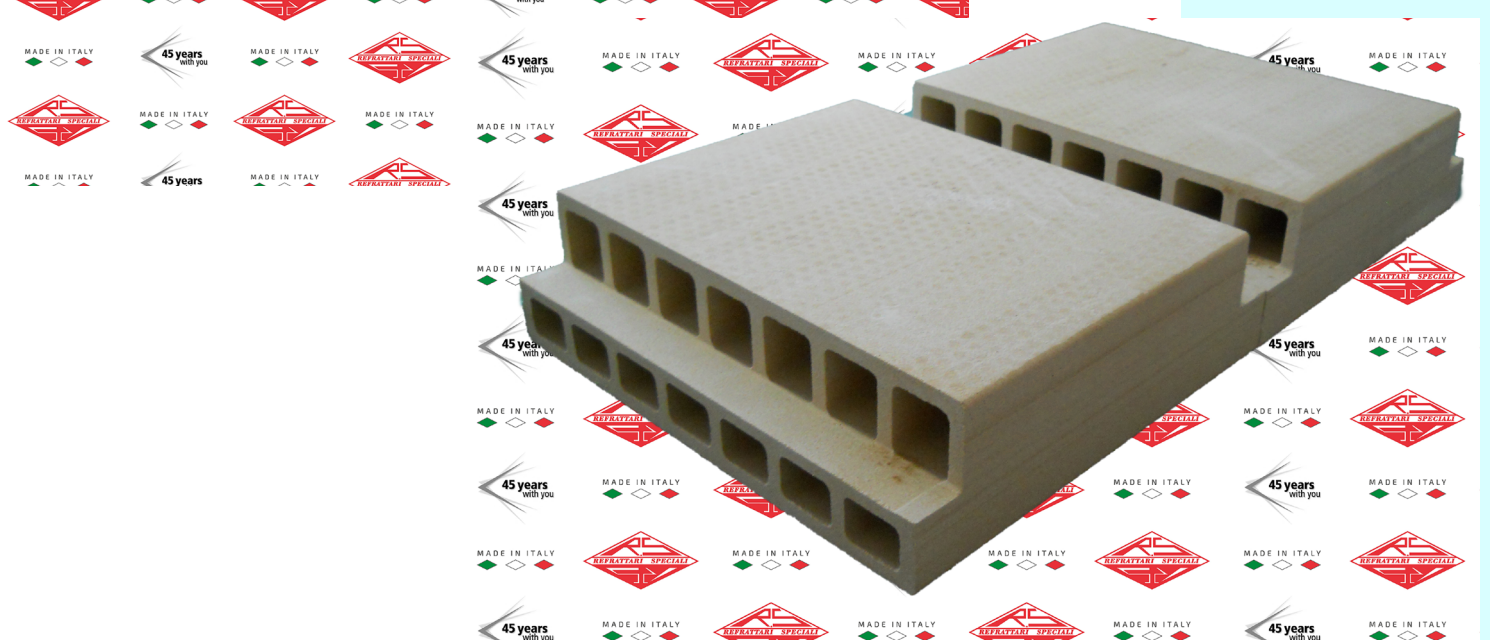




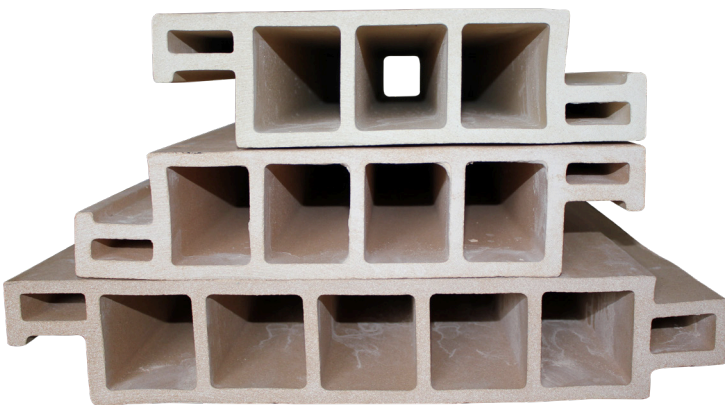
# INTERMEDIATE VAULT BATTS



Sacmi



siti



# INSULATING BRICKS

Insulating bricks can be used a first layer coating, therefore by direct exposure to fire, or in the second layer behind dense refractory materials.

In addition to bricks, large sizes called "SLEBI" are also available; they allow realization of special pieces, and because of big sizes it's possible to reduce number of pieces and of gluing joints in coatings.

| Quality | Temp.  | Density (kg/dm <sup>3</sup> ) |
|---------|--------|-------------------------------|
| JM23    | 1260°C | 0,48                          |
| JM26    | 1430°C | 0,80                          |
| JM28    | 1540°C | 0,89                          |
| JM30    | 1650°C | 1,02                          |
| JM32    | 1760°C | 1,25                          |



## Bottom Batts



ONE STANDARD SIZE: 290 X 320 X 10 mm





# KILN INSPECTION TRAY



# THERMOCOUPLES

S: (1500°C) 1 Platinum wire + 1 Platinum/Rhodium wire

K: (1100°C) 1 Nickel/Chrome wire + 1 Nickel/Aluminum wire



# STANDARD FIBERS

Raw and long fibers used for filling expansion joints. These types of fibers are very resistant to attack by chemical compounds, they have good chemical stability and high resistance even for filling complex or difficult-to-access volumes, for filling repairs or as a reinforcing fiber for concrete and cement.

## AVAILABILITY:

these fibers are packed in cardboards of 20 Kg each or in packagings of 60-80 Kg



| Quality       | Temp.  |                                                                                                  |
|---------------|--------|--------------------------------------------------------------------------------------------------|
| CERAFIBER     | 1315°C | Centrifuged refractory fiber, with electrically fused Alumina and Silica                         |
| CERACHEMFIBER | 1426°C | centrifuged refractory fiber, manufactured with electrically fused Alumina, Silica and Zirconium |

# ECOLOGICAL FIBERS



Ecological refractory fiber lubricated for high temperature. It consists of a set of long, non-oriented biosoluble fibers with a soft appearance; it has excellent thermal stability and retains its soft fibrous structure up to the classification temperature.

It emits neither smoke nor smell during the first heating. the material is practically unalterable by thermal shocks

AVAILABILITY: material is packed in cardboards of 20 Kg (640x595x550 mm) on pallets of 16 carboards each (1210x1310x2340 mm)

| Quality        | Temp.  |
|----------------|--------|
| SuperWool PLUS | 1200°C |
| SuperWool HT   | 1300°C |





# FIBER MATTRESSES



Mat for thermal insulation made with high temperature refractory ceramic fiber. They are characterized by excellent resistance to chemical attack, excellent thermal insulation and low thermal capacity. they are used for thermal insulation of kilns, flue pipes, kiln vaults, and for sealing oven doors.

AVAILABILITY: material is packed in cardboards, on pallet with shrink plastic film

| Quality         | Temp.  |
|-----------------|--------|
| Cerablanket     | 1260°C |
| Cerachemblanket | 1425°C |

| Th. (mm) | CERABLANKET     |     |     | CERACHEM BLANKET |     |     | Length (mm) | Width (mm) |
|----------|-----------------|-----|-----|------------------|-----|-----|-------------|------------|
|          | Density (kg/m³) |     |     | Density (kg/m³)  |     |     |             |            |
|          | 96              | 128 | 160 | 96               | 128 | 160 |             |            |
| 13       | x               | x   | x   | x                | x   | x   | 14640       | 610        |
| 19       | x               | x   | x   | x                | x   | x   | 9760        |            |
| 25       | x               | x   | x   | x                | x   | x   | 7320        |            |
| 50       | x               | x   |     | x                | x   |     | 3660        |            |

## ECOLOGICAL FIBER MATTRESSES

| Th.(mm) | SUPERWOOL PLUS  |    |     |     | SUPERWOOL HT    |     |     | Length<br>(mm) | Width<br>(mm) |
|---------|-----------------|----|-----|-----|-----------------|-----|-----|----------------|---------------|
|         | Density (kg/m³) |    |     |     | Density (kg/m³) |     |     |                |               |
|         | 80              | 96 | 128 | 160 | 96              | 128 | 160 |                |               |
| 13      | X               | X  | X   | X   | X               | X   | X   | 14640          | 610           |
| 19      | X               | X  | X   | X   | X               | X   | X   | 9760           |               |
| 25      | X               | X  | X   | X   | X               | X   | X   | 7320           |               |
| 50      | X               | X  | X   |     | X               | X   | X   | 3660           |               |

AVAILABILITY: material is packed in cardboards, on pallet with shrink plastic film



## FIBER PAPER

available in different thicknesses.  
temp. 1260°C - variable roll lengths and thicknesses of 1,2,3,4,5,6,8,10 mm.



# OTHER ACCESSORIES



Spring



Little pulling springs

Hook and Bushing



Sleeves / Bushing

Hooks



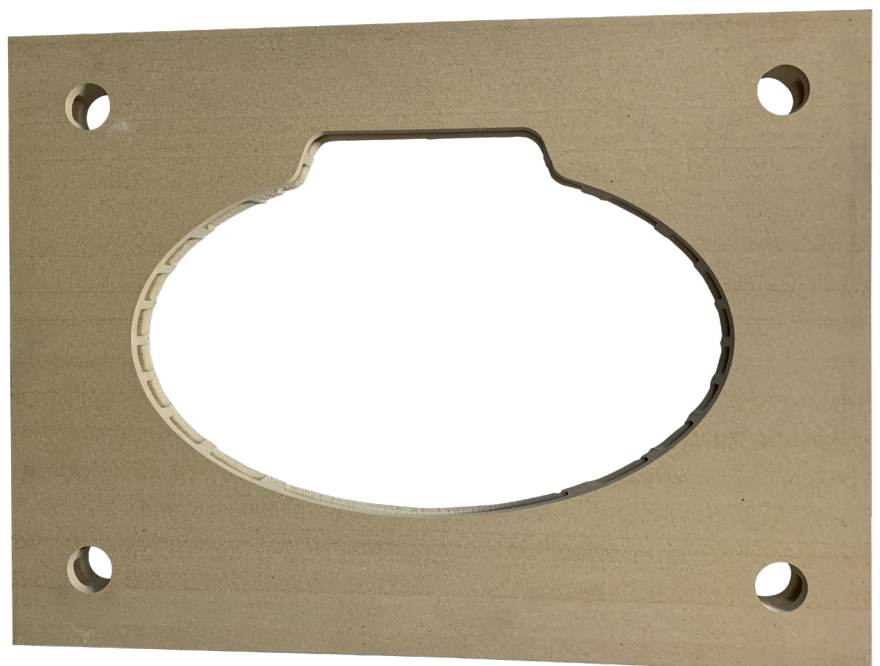
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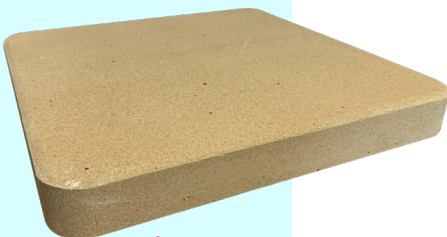
Mortar



Sanitaryware firing support



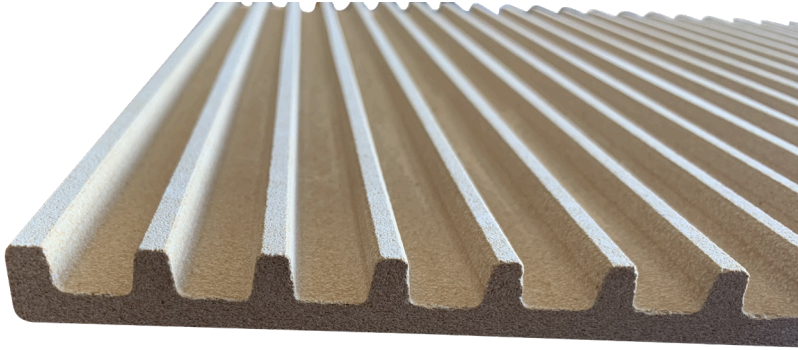
Pushing batts





# OTHER

Striped Rectified Batt



Floors firing system



Engobed vault against chemical attacks



Rapid cycles plates

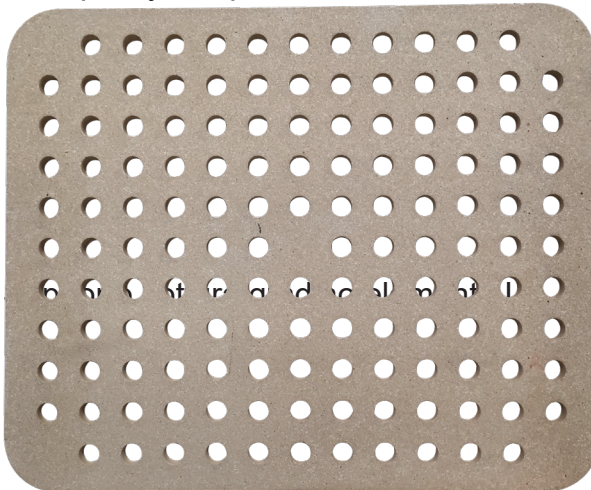


Plate for firing tableware in roller kiln



Step support



# OTHER

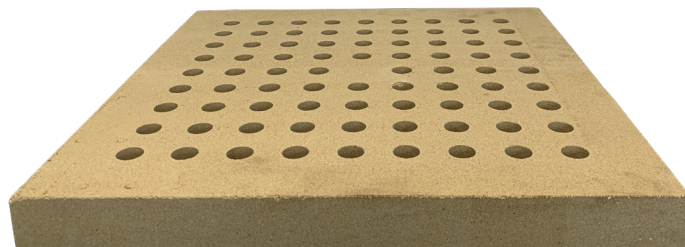
Dish Holders



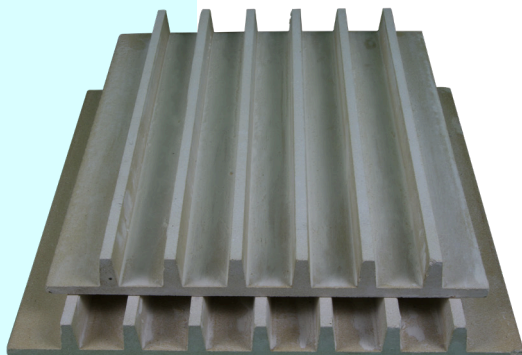
Step firing support



Supporting base plate



Special pieces firing support



Fixed plate







## GROWTH AND EXPERIENCE

1973. Roteglia, Castellarano (RE), Italy.

At the heart of the ceramic district, Refrattari Speciali was founded.

The company began its activity manufacturing supports made of Cordierite for the ceramic, bathroom furnishing and tableware industries. Today Refrattari Speciali is a reference point worldwide when it comes to the production of ceramic rollers and Cordierite products.

Experience and perseverance lie behind the over 50 years of activity of the company. They are today's treasure, by means of which, the company, with its unchanging company philosophy, offers its customers top quality products.

The first step was the production of sliding slabs and saggars for single-firing; the company then engaged in the production of any type of refractory support for use in kilns. Ceramic rollers are the nerve centre of the production program.

These are products that resist time and wear and that are capable of providing added advantages in terms of quality and innovation. Commitment towards innovation has also allowed the company to expand into new sectors of research and development

A cutting-edge laboratory has made it possible to offer a new patented product to the market: **MODULARS**, an innovative and versatile refractory element which allows use in many applications.

**Sturdiness, Resistance and Innovation.**

The three milestones on which over 50 years of work have been founded.

## THE PROFESSIONAL APPROACH

**Refrattari Speciali** means quality and safety.

The UNI EN ISO 9001:2000 (ISO 9001:2000) certification obtained in 1996 guarantees efficiency and high production standards.

A highly qualified staff, composed of the Technical Director, the Quality Manager and engineers, constantly ensures that production meets the certified level of excellence.

**Refrattari Speciali** operators work to obtain the best performance in a work environment that is both safe and compliant with standards.

## AT THE HEART OF QUALITY

The achievements of Refrattari Speciali are the result of the following essential factors: quality, versatility, innovation, customer satisfaction and just-in-time service.

The customer and its needs. These are the priorities.

The wisdom of tradition and the freshness of innovation. Efficient, qualified and hardworking technicians, ready to offer a large range of solutions for any necessity.

## THE COSMOPOLITAN APPROACH

**Refrattari Speciali** is an international reference point. Local agents are present in the most important markets to optimize the development of the company and provide timely assistance to customers irrespective of where they are. The reference points of the company are the warehouses located in various important areas so as to fulfil the needs of the market.

Throughout over 50 years of activity, the company has had the chance to experience different economic situations, societies and cultures.

**Refrattari Speciali** has worked with large-scale and emerging companies, established and small-scale companies and has therefore learnt how to adapt to any situation.



# Innovation



MADE IN ITALY



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