Sifca
Sifca is an acronym that stands for Slurry Infiltrated Fiber CAstable.
Sifca is a precast refractory composite composed of low cement refractory slurry and stainless steel fiber.
It is a combination of up to 16 volume percent stainless steel fibers and any one or 6 slurry types.
Under appropriate conditions, Sifca shapes can have a service temperature range up to 1650°C

General features
The unique characteristics of SIFCA are:
- Thermal shock resistance
- Impact resistance
- Compressive strength and refractoriness when compared to steel or cast iron shapes.
At elevated operating temperatures, SIFCA replaces cast iron and steel parts that are oxidizing. SIFCA is also a direct replacement for conventional precast refractory shapes in structural or support applications. SIFCA shapes, unlike standard precast shapes, can be bolted to the same structure as the steel or cast iron it is replacing.

Applications
Typical Iron & Steel applications:
- Steel ladle retainer rings
- Reheat furnace door jambs & door perimeters
- Iron Ladle pour shouts
- Slag out sections
- Torpedo ladle throats
- Composite tundish covers
- Blast furnace trough and runner covers
- Replace water cooled metal sections
Typical Non Ferrous applications:
- Furnace door jambs, sills and lintels
- Rotary kiln nose rings
- Cruse bottoms
- Trough and launder sections
- Metal stirring tools
- Siphon tips
- Furnace door parameters
- Thermocouple protection tubes
- Skimblades
SIFCA – Cement & Lime industry

Applications:
- Nose rings
- Cooler curb blocks
- Cooler throat blocks
- Cooler bull nose section
- Tertiary air duct damper
- Thermocouple tube
- Gas sampling probe
- Riser pipe blaster nozzle
- Planetary cooler outlets
- Brick retainer ring
- Burner pipe
SIFCA – Iron & Steel industry
precast shapes

Sifca Skimblade + tool

Sifca Rollers

SIFCA Skid beam

Applications:
- Steel Ladle Retainer Rings
- Reheat Furnace Door Jambs
- Reheat Furnace Door Perimeters
- Iron Ladle Pour Spouts
- Slag Out Sections
- Torpedo Ladle Throats
- Composite Tundish Covers
- Blast Furnace Trough and Runner Covers
- Replace Water Cooled Metal Sections

Sifca Ladle lip ring

SIFCA Cement Nose ring

SIFCA Funnel Alloy

Celsius Heat Management NV
Ambachtenlaan 1025 - 3294
Molenstede (Diest) - Belgium
Tel 0032 13 380 020
Fax 0031 165 515 585

Celsius Deutschland GmbH
Poppauer Straße 36
38486 Klötze - Germany
Tel.: 0049 3909 481 8041
Fax: 0049 3909 481 8045
www.celsius-group.com
SIFCA – Non Ferrous industry
Precast shapes

SIFCA Boom Blade

SIFCA Impeller

SIFCA Charging Tool

SIFCA – Non Ferrous industry

Applications:
- Furnace Door Jambs, Sills and Lintels
- Rotary Kiln Nose Rings
- Cruse Bottoms
- Trough and Launder Sections
- Metal Stirring Tools
- Siphon Tips
- Furnace Door Perimeters
- Thermocouple Protection Tubes
- Skim Blades

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