

30-741 KRAKÓW, DOMAGAŁY 1 A STREET

www.zamac.pl e-mail: biuro@zamac.pl telephone: 12 276 21 47

# Ceramic Spray Fiber – CSF

Modern insulation - multipurpose fiber spray ready to use.

#### **Characteristics:**

- good adhesion to most substrates (fibrous materials, ceramics, metals)
- low shrinkage in the drying and firing process
- resistant to sudden temperature changes
- doesn't crack or peel
- ready for work after drying
- easy application
- fills hard-to-reach areas very well
- no elasticity during application
- gas permeable
- resistant to most chemicals
- non-wettable by non-ferrous metals

## **Application:**

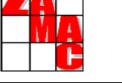
- thermal protection of steel structures
- lining of furnaces and hearths insulation of boilers
- sealing of furnace doors
- thermal barriers
- insulation of gas and steam turbines
- insulation of pipelines
- replacement for refractory fiber insulation modules, boards, refractory mats
- ongoing repair of existing insulation
- formation of boards and fittings
- insulation of ceramic kiln cars

## Method of application:

• manually - putty knife, trowel









#### 30-741 KRAKÓW, DOMAGAŁY 1 A STREET

|   | www.zamac.pl e-i | mail: biuro@zamac.pl | telephone: 12 276 21 47 |
|---|------------------|----------------------|-------------------------|
|   | CSF 100          |                      | CSF 200                 |
| Classification Temperature [°C]                                     | 1260             |                      | 1430                    |
| Use temperature [°C]  |                  |                      |                         |
| long-term   | 1150             |                      | 1300                    |
| short-term  | 1320             |                      | 1500                    |
| Linear shrinkage %  | Max. 3           |                      | Max. 3                  |
| Density in delivery condition [kg/m <sup>3</sup> ]                  | 1200             |                      | 1200                    |
| Density [kg/m <sup>3</sup> ]<br>depending on the application method | 400 <u>+</u> 15% |                      | 400 <u>+</u> 15%        |
| Thermal conductivity [W/m K]  |                  |                      |                         |
| 400 °C  | 0.12             |                      | 0.12                    |
| 600 °C  | 0.14             |                      | 0.14                    |
| 800 °C  | 0.17             |                      | 0.17                    |
| 1000 °C   | 0.19             |                      | 0.19                    |

Price: 23 PLN/kg net.

Packaging: plastic pails.

**Consumption**: approximately 1,2 kg of the product is required to fill  $1 \text{ dm}^3$ .

**Drying**: <105 °C. Drying at room temperature is possible, but it takes a long time.

Mass ready to use without air access 12 months

