

**IFB REFRACTORIES SAS**

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**Technical Data**  
**FICHE TECHNIQUE**

PRODUCT NAME / APPELLATION : **Produsil : L 100 0.8** Ref.Date : 2017-B  
 Mark / Marquage : **Produsil : L 100 0.8** Brand code : 8942  
 CLASSIFIED TEMPERATURE / Température maximum d'emploi : **1000°C**

| PROPERTIES / PROPRIETES   | Standards Normes | Units Unités |              | AVERAGE Moyenne $\mu$ | Limites   |             |
|---|------------------|--------------|--------------|-----------------------|-----------|-------------|
|   |                  |              |              |                       | Ti (inf.) | Ts (sup.)   |
| Classification  | PRE              |              |              | <b>100 L</b>          |           |             |
| Classification  | ASTM C401        |              |              | <b>4</b>              |           |             |
| BULK DENSITY / Masse Volumique Apparente  | Dry / Sec        | T/m3         |              | <b>0,95</b>           |           | <b>1,20</b> |
|   | At max T°maxi    | T/m3         |              | <b>0,8</b>            |           | <b>1,10</b> |
| MAXIMUM GRAIN SIZES / Taille maximum des gains                                    |                  | mm           |              | <b>5</b>              |           |             |
| COLD CRUSHING STRENGTH / Résistance à l'écrasement à froid                        | ASTM C 9667      |              |              |                       |           |             |
|   | Dry / Sec        | N/mm2        |              | <b>4,5</b>            | <b>2</b>  |             |
|   | At max T°maxi    | N/mm2        |              | <b>3,6</b>            | <b>2</b>  |             |
| CHEMICAL ANALYSIS / ANALYSE CHIMIQUE  | XRF              | %            | AL2O3        | <b>33</b>             | <b>30</b> |             |
|   |                  |              | SiO2         | <b>13</b>             |           |             |
|   |                  |              | Fe2O3        | <b>13,5</b>           |           | <b>15</b>   |
|   |                  |              | TiO2         | <b>2,5</b>            |           |             |
|   |                  |              | CaO + MgO    | <b>31,2</b>           |           |             |
|   |                  |              | Na2O + K2O   | <b>7</b>              |           |             |
| PERMANENT LINEAR CHANGE / Variation permanente de dimensions                      | ASTM C113/865    | %            | 5h at max T° | <b>1,7</b>            |           | <b>2,2</b>  |
| THERMAL CONDUCTIVITY / Conductivité thermique                                     | ASTM C201/182    | W/m.K        | 200°C        | <b>0,25</b>           |           |             |
|   |                  |              | 500°C        | <b>0,29</b>           |           |             |
|   |                  |              | 1000°C       | <b>0,31</b>           |           |             |
| DESCRIPTION   |                  |              |              |                       |           |             |
| <b>Very high insulating properties for steel works - Gunning and casting</b>      |                  |              |              |                       |           |             |
| <b>Très bonne isolation des constructions métallique - Projetable ou coulable</b> |                  |              |              |                       |           |             |
| % OF H2O FOR PREPATION / % D'eau pour préparation                                 |                  | %            |              | <b>70</b>             |           |             |
| SETTING TIME / Temps de prise   |                  | h            |              | <b>7</b>              |           |             |
| Manufacturing plant / Site de fabrication :                                       | <b>Buzançais</b> |              |              |                       |           |             |

PHYSICAL PROPERTIES ARE BASED ON AVERAGES OF ROUTINE QUALITY CONTROL CARRIED OUT DURING PRODUCTION

LES PROPRIETES PHYSIQUES SONT BASEES SUR LES MOYENNES CONTROLES DE ROUTINES EFFECTUES YOUT AU LONG DE LA PRODUCTION

FREQUENCY , SAMPLING , ACCEPTATION METHODS ARE DETAILED IN OUR C.T.C./Q.P.D.(DOCUMENT N°8030)

LA FREQUENCE DES TESTS, L'ECHANTILLANNAGE ET LES CRITERES D'ACCEPTATION DES LOTS SONT DEFINIS PAR NOTRE C.T.C./Q.P.D.(DOCUMENT N°8030)

TEST METHODS REFER TO PRE - ISO STANDARDS.

METHODE DE TEST SELON STANDARDS ISO.