

# SINTERRAPIDE-T

## Characteristics

SINTER RAPIDE - T is a light stoneware body for casting. It is a low sintering body. Available as powder.

|                                      |                |
|--------------------------------------|----------------|
| Firing Colour                        | cream          |
| Recommended Firing Temperature Range | 1000 - 1100 °C |

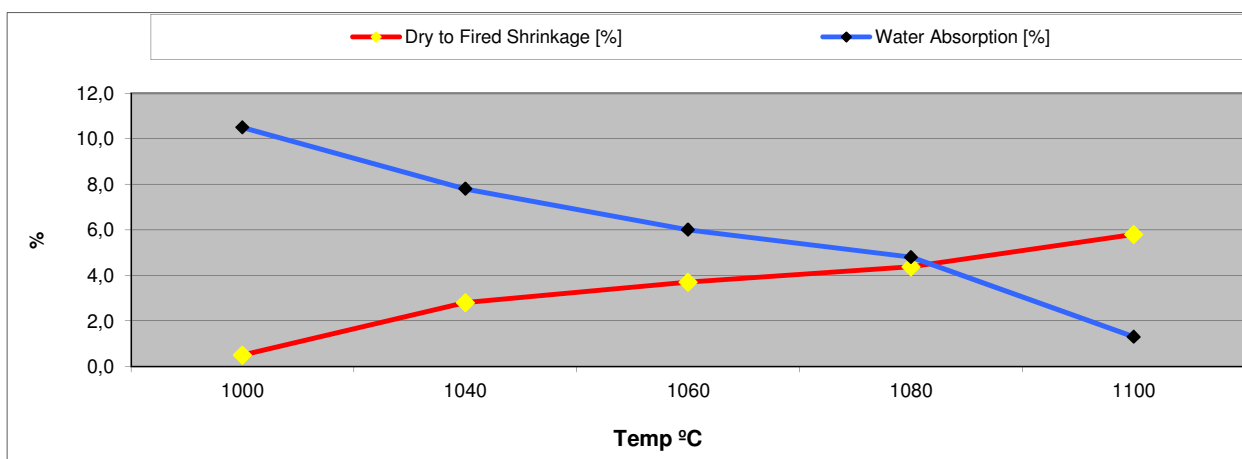
## Technical Data

### Unfired

|                      |                  |                  |                                |                                |       |       |                  |                   |
|----------------------|------------------|------------------|--------------------------------|--------------------------------|-------|-------|------------------|-------------------|
| Moisture             | 1,5% powder      |                  |                                |                                |       |       |                  |                   |
| Chemical Analysis    | SiO <sub>2</sub> | TiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | CaO   | MgO   | K <sub>2</sub> O | Na <sub>2</sub> O |
|                      | 69,4%            | 1,10%            | 22,5%                          | 0,90%                          | 0,40% | 1,85% | 3,05%            | 0,77%             |
| Loss of Ignition     | 6,8%             |                  |                                |                                |       |       |                  |                   |
| Wet to Dry Shrinkage | 4,3% casting     |                  |                                |                                |       |       |                  |                   |

### Fired

|   |             |
|---|-------------|
| Specimen Firing Temperature [°C]            | 1100        |
| Coefficient of Thermal Expansion [x10-6/°C] |             |
|   | 20 - 400 °C |
|   | 20 - 500 °C |
|   | 20 - 600 °C |
|   | 6,9         |
|   | 7,3         |
|   | 8,3         |
| Dry to Fired Shrinkage [%]                  | 5,8         |
| Water Absorption [%]                        | 1,3         |



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|                              |               |
|------------------------------|---------------|
| Dolaflux B 11 : Giessfix 162 | 1 : 2         |
| Optimum Amounts              | 0,24% - 0,26% |

First deflocculant and afterwards, add the powder under slow stirring to the water.

|                            |                   |
|----------------------------|-------------------|
| Specific Weight to Achieve | 1780 - 1800 g / l |
|----------------------------|-------------------|

SINTER RAPIDE - T needs about 41 l water per 100 kg to achieve s.w. of 1800 g / l

Test the casting advice in own production first remembering the mentioned amounts are depending

- use the right amount of deflocculant to achieve optimum casting time
- if castthickness is too small, use less deflocculant
- don't use more than 10 - 15 % of scrap ( above the fresh made slip )

The technical data quoted on this sheet is indicative only. Any sale is by sample and is governed by our general conditions of sale.



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