

**VITCAS®HRS – HEAT RESISTANT SEALANT TDS4-3**

VITCAS Heat Resistant Sealant is a ready mixed high temperature sealing and caulking paste for use in fixing and jointing as well as for fire protection.

**Typical Applications:**

- sealing or fixing ceramics, glass and metal
- installing vermiculite insulation boards
- sealing other silica based materials

| Technical Data       |  |
|----------------------|--|
| Consistency          | Paste  |
| Colour               | Off-white / beige  |
| Moisture Content     | 14 – 16%   |
| Density              | 2,100 kg/cum   |
| Thermal Conductivity | 1.5 w/mK   |
| Maximum temperature  | 1300°C   |
| Composition          | SiO <sub>2</sub> 89% Fe <sub>2</sub> O <sub>3</sub> 0.3%<br>Al <sub>2</sub> O <sub>3</sub> 5% K <sub>2</sub> O+Na <sub>2</sub> O 3%                |
| Initial setting time | 4 – 5 hours  |
| Curing time          | 12 hours above 100°C   |
| Coverage             | 310ml cartridge will cover approximately 0.12m <sup>2</sup><br>For fixing vermiculite boards 'dot and dab' then allow for one cartridge per board. |

Application Instructions:

Make sure the area is clean and that all dirt, dust, rust and grease is removed. Cut off the top of the cartridge, screw on the nozzle and cut the nozzle to the required size. Apply using a cartridge gun and aim for a thin joint of 2 – 3mm. The material will set at room temperatures but the time will be reduced by applying heat, gradually increasing over a four hour period. The sealant can be sanded and overpainted.

Storage: Keep dry and store in a cool dry place away from children and pets. Shelf life is 12 months from the date of manufacture in unopened, original packaging, stored at temperatures between 0°C and 25°C in a dry place protected from freezing.

