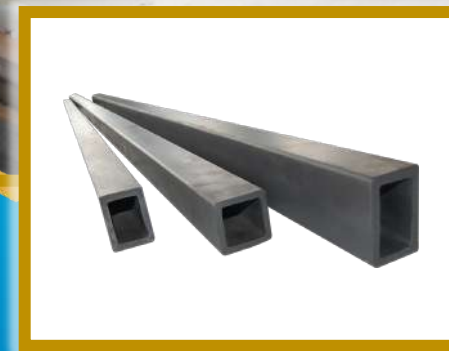
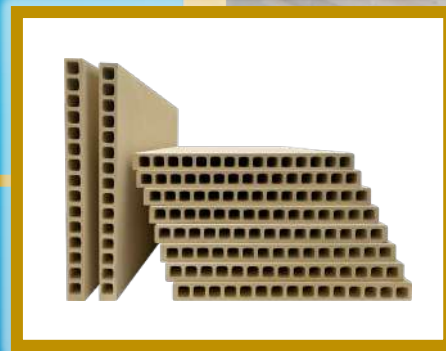




CERAMICS

**KILN
FURNITURE FOR
SANITARYWARE**

www.ipsceramics.com | enq@ipsceramics.com





WORKING WITH THE SANITARYWARE INDUSTRY

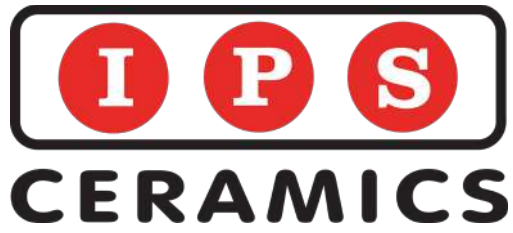
ABOUT US

- Collective 250+ years experience with designing, manufacturing and distributing ceramics worldwide
- Supply a wide range of kiln furniture and technical ceramic components to many industries

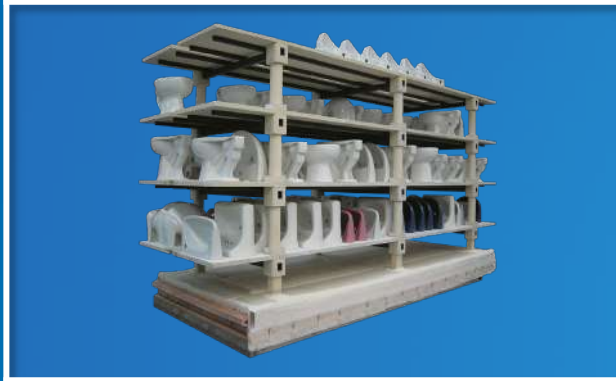


WHAT WE OFFER

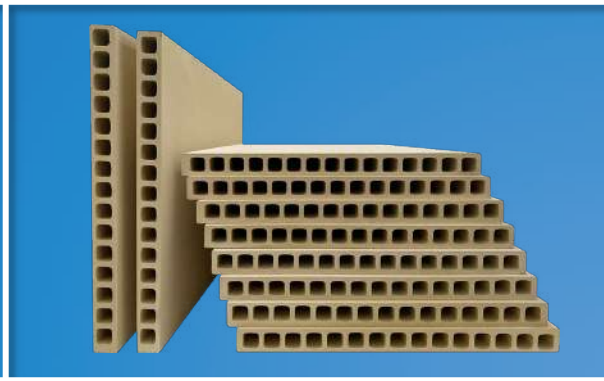
- Strong and dependable products which thrive in the toughest of conditions
- Wide ranging support provided by our dedicated customer service and technical teams
 - Our design teams and robust manufacturing base can design and customize products to fit your exact requirements



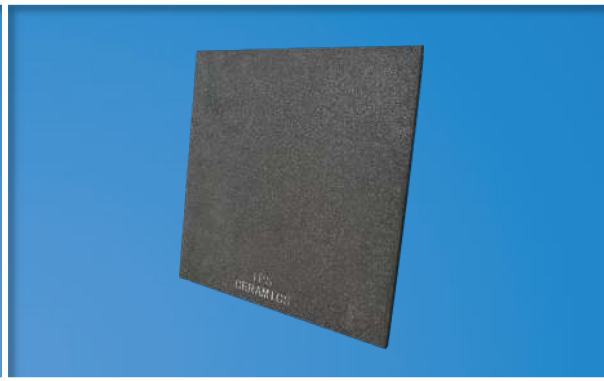
OUR SANITARYWARE RANGE INCLUDES:



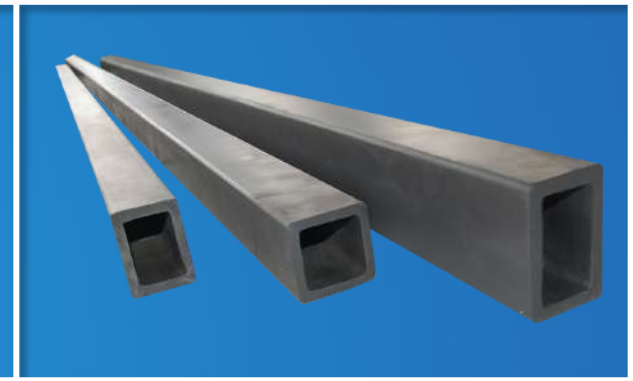
Full Kiln Car Systems



Extruded Batts



SiC Batts



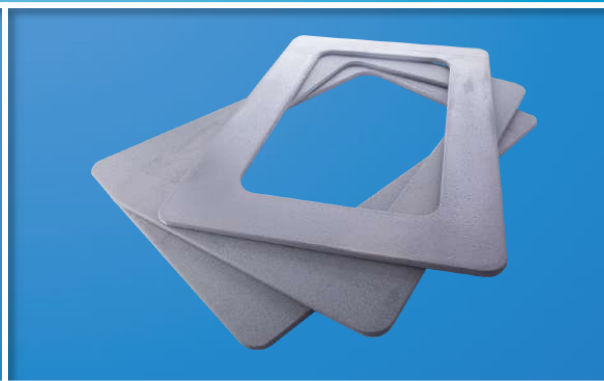
SiC Beams



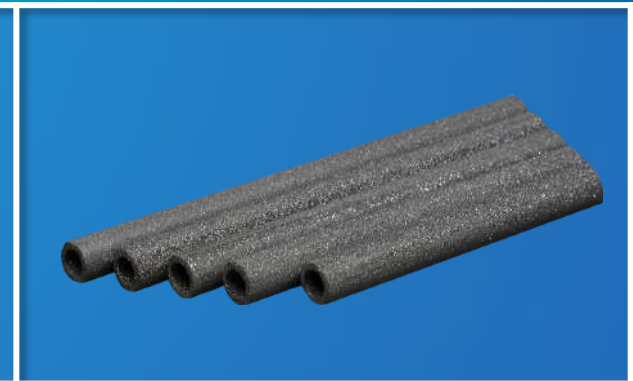
Supports & Stools



Burner Nozzles



Vanity Basin Setters



Tubes / Rollers

- Items comes in a range of sizes and are customisable to fit your applications
- Available in a range of materials – most commonly Cordierite and Silicon Carbide



MATERIAL SPECIFICATIONS

| Type | Cordierite (standard*) | Cordierite (HTR*) | Oxide Bonded SiC | Silicon Infiltrated SiSiC / Reaction Bonded RBSiC | Nitride Bonded NBSiC | Recrystallised ReSiC |
|---|-------------------------------------|-------------------------------------|---|---|---|--|
| Properties | Porous Low density Dependable | Porous Low density Dependable | Relatively low cost Good performance Lower strength | High strength Low creep | High strength Low creep Lightweight | High working temp. Thermal shock resistant Low creep |
| Max. Use Temperature | 1300 °C / 2372 °F | 1350 °C / 2462 °F | 1400 °C / 2550 °F | 1380 °C / 2500 °F | 1450 °C / 2650 °F | 1650 °C / 3000 °F |
| Density (g/cm ³) | 1.85 | 2.00 | 2.7 | 3 | 2.8 | 2.7 |
| Open Porosity (%) | 28 | 26 | 8 | < 0.5 | 13 | 15 |
| Bending Strength (MPa) | -- | -- | 35 | 250 | 160 | 90 |
| Modulus of Elasticity (GPa) | -- | -- | 200 | 325 | 200 | 250 |
| Thermal Conductivity (W/mK) | -- | -- | 15 | 45 | 25 | 25 |
| Coefficient of Thermal Expansion (x10 ⁻⁶ /K) | -- | -- | 4.5 | 4.5 | 4.7 | 4.8 |

* Other specialist forms of cordierite are also available



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