

How To Select Bullers Rings and Discs



the most
reliable means
of measuring
'heat work'
within kilns

In order to correctly select Bullers Rings / Discs we have provided a selection chart detailing many of the most common firing applications. The purpose of the selection chart is to provide a guide from which to choose the most appropriate product. In some instances this may necessitate trials using two closely matching ring / disc products to ascertain the one that most closely matches your own particular firing conditions.

For Example:

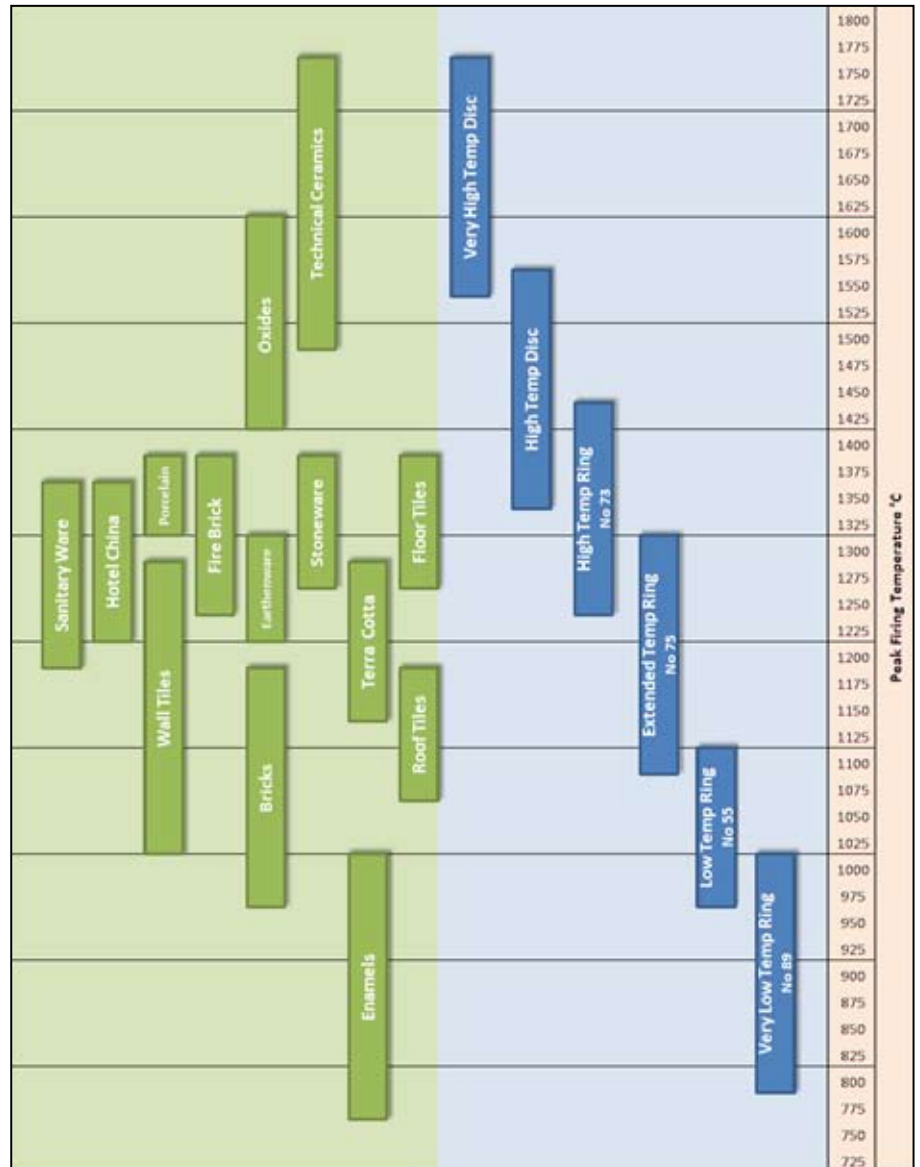
The selection criteria for Bullers Rings within a Sanitaryware facility employing a tunnel kiln would depend on many factors; however, the critical one is the peak firing temperature which could be around 1250°C for 4 hours. Other factors that play a part in the measurement of 'heat work' and hence the selection of the appropriate Bullers Ring / Disc is the total time the product is within the kiln atmosphere, kiln car loading and hence the kiln car density.

In the 'Selection Chart' we have provided three selection criteria to assist with the choice of the correct product. In the "Green Section" we have shown some of the most common manufacturing applications, followed by the "Bullers Ring and Disc Temperature Ranges" in the "Blue Section" of the chart and then the "Peak Firing Temperatures" at the bottom. A combination of these three parameters will help you to select the correct product.

To effectively use the chart for product selection, and using the Sanitaryware example above as a guide, select the Peak Firing temperature (1250°C in this case) and follow that temperature line up to the "Blue Section", select the Bullers Ring whose central temperature spread is nearest to the Peak Firing temperature. In this example it would be the Extended Temperature Ring No 75. For confirmation, follow the chart into the "Green Section" to ensure that the application is covered by the selection which is Sanitaryware. By using this chart as a guide, you will be able to select the correct product for your specific firing conditions. For more detailed help and assistance please contact our technical team on the numbers below.

the most reliable means of measuring “heat work” in high temperature kilns

Bullers Rings and Discs Selection Chart



Our technical team are on hand to assist you in the selection of the correct product for your process.