Superior Performance of Ultraseal PC504/66 vs. Competing Products

We consistently monitor our sealants' performance against others on the market. This guarantees that the statements we make about the quality of our products and their performance is proven true. The following test results show how impregnated US MIL-I-17563C test rings performed when subjected to thermal tests, with any leakage being recorded and graded as shown in the chart below.

Product	Alternative competitors non-recycling sealant					Ultraseal PC504/66I	
Temperature	40ºC	100ºC	180ºC	200ºC	220ºC	180ºC	200ºC
Initial Seal	0	0	0	0	0	0	0
0.5 Hours	0	1	2	2	3	0	0
1 Hour	0	2	3	3	3	0	0
4 Hours	1	3	3	3	4	0	0
8 Hours	3	3	4	4	4	0	0
24 Hours	3	4	5	5	5	0	0

Where 0 = pressure tight (leak free) and 5 = bad leakage

The results in this table were generated from tests with a standard batch of competitors' sealant and Ultraseal PC504/66I.

Even when exposed to relatively low temperatures (40°C), the competitors' sealant performance is found to suffer after only short periods of time. By comparison, Ultraseal PC504/66I retains a perfect ring seal even after 24 hours at 200°C.

Ultraseal would always recommend that the most reliable method for evaluating the performance of an impregnation sealant is through the testing of impregnated test rings, as established by the international standards and recognised test procedures. By doing so, results that reflect "in use" product performance are generated, and in this instance they indicate very clearly the superior thermal resistance of Ultraseal PC504/66I over alternatives.