

Sharon P – Thermilate Painted on a Hot Water Tank

The following are the details of a hot water tank that was painted with Thermilate enriched paint.

The hot water tank was a standard UK copper tank as found in most UK households and is representative of many properties in the UK, it had a conventional jacket for insulation.

The test results are for the hot water tank, before painting with Thermilate and after painting with Thermilate.

All the readings were taken with the jacket in position around the tank to indicate the difference in the amount of heat needed to obtain comparable temperatures both with and without Thermilate.

The results were measured over two days.

Pre Painted Hot Water Cylinder

Heating on for approx.
One hour twice a day

Time	Air Temperature in cupboard
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Day 1

6:00 AM	74
8:00 AM	74
10:00 AM	74
12:00 PM	75
2:00 PM	75
4:00 PM	72
6:00 PM	80
8:00 PM	76
10:00 PM	72

Day 2

6:00 AM	74
8:00 AM	74
10:00 AM	75
12:00 PM	74
2:00 PM	72
4:00 PM	70
6:00 PM	72
8:00 PM	78
10:00 PM	72

Post Painted Hot Water Cylinder

Heating on for approx.
30 minutes twice a day

Time	Air Temperature in cupboard
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Day 1

6:00 AM	74
8:00 AM	76
10:00 AM	76
12:00 PM	74
2:00 PM	74
4:00 PM	72
6:00 PM	80
8:00 PM	76
10:00 PM	72

Day 2

6:00 AM	74
8:00 AM	78
10:00 AM	75
12:00 PM	74
2:00 PM	72
4:00 PM	70
6:00 PM	70
8:00 PM	78
10:00 PM	70

