



The London Camden Trial

The trial ran for almost four years in the borough of Camden and aimed to deliver scientific fact as to TiO₂ photocatalytic activity and the reductions in NOx that this had. The wall, treated with CristalACTIV™, was situated 25 m from the roadside and was continuously monitored.

Trial Summary

- Background data taken from as far back as June 22, 2007
- TiO₂ applied March 16, 2009, surface covered 135 m²
- Species of interest NO, NO₂ and NOx
- Recordings taken of wind speed, direction, temperature, humidity
- Bloomsbury and Shaftsbury used as control/reference site
- Data interpretation using Six Sigma techniques

Trial Conclusions

The trial data showed a significant reduction in pollution levels at the trial site after application of the product.

- Reductions were observed compared to previous years and the reference sites
- Reductions are as large as 60% for NO and 20% for NO₂
- Greater reductions seen when NOx levels are high
- There may be an activation period for this particular trial
- Reductions are seen both close to the wall and also at 1.5 m away
- Product working during diurnal hours, which continues a few hours later due to the presence of reflected light and no activity observed during darkness
- Coating a larger surface will result in higher reduction in pollution levels

For more information about the photocatalytic properties of CristalACTIV™ TiO₂, contact: cristalactiv@tronox.com

Visit us at our website: www.cristalactiv.com



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