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GRAPHENSTONE<sup>®</sup>

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Self-Cleaning Technology



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## Graphenstone Ambient Pro+ “Self-Cleaning” Technology”

Graphenstone paints offer various benefits: including absorption of carbon dioxide, an ultra-low CO<sub>2</sub>(e) footprint, and air purification (neutralisation of NO<sub>x</sub>). It can also exhibit ‘self cleaning’ properties due to its unique mineral formula.

### “Self-Cleaning”

The air purification quality is due to the inclusion of the natural mineral titanium dioxide (TiO<sub>2</sub>). One of the often overlooked benefits of TiO<sub>2</sub>, in crystalline form is, its “self-cleaning” quality – meaning that airborne dirt, dust and various pollutants do not stick to the painted surface. This of course does not mean that, like all paints, when given a hard knock it will not mark, but it will prevent airborne matter from settling. It can simply wash off.

The obvious benefit being that external surfaces will stay cleaner for longer, meaning less frequent repainting required.

### Case Study

In conjunction with the Epsom & St Helier University Hospitals NHS Trust, in June 2022 we painted sections of three external high traffic areas with Graphenstone Ambient Pro+ and with a competitor trade exterior masonry coating.

We revisited the painted areas four months later and noted the differences in the areas with the two different paints.

As can clearly be seen on the areas at the foot of the panels, the dirt and pollutants emitted by traffic driving past the panels has not adhered to the panels painted with Graphenstone Ambient Pro+

**We are running similar trials with Grosvenor Estates and Cheam High School**



June 2022



October 2022



Photocatalytic paints will due to a reaction with light help to keep surfaces clean