

Piacenza 27.08.2013

Spett.le: **Hines**

HINES

Via della Moscova, 18
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**SUBJECT: APPLICATION TEST OF SYSTEM PHOTO-CATALYTIC
PURETI Basecoat \ Clean**

The test application of system PURETi, consists on applying the system of third generation photocatalytic PURETi. Basecoat\ Clean. This system makes the surfaces to which it is applied:

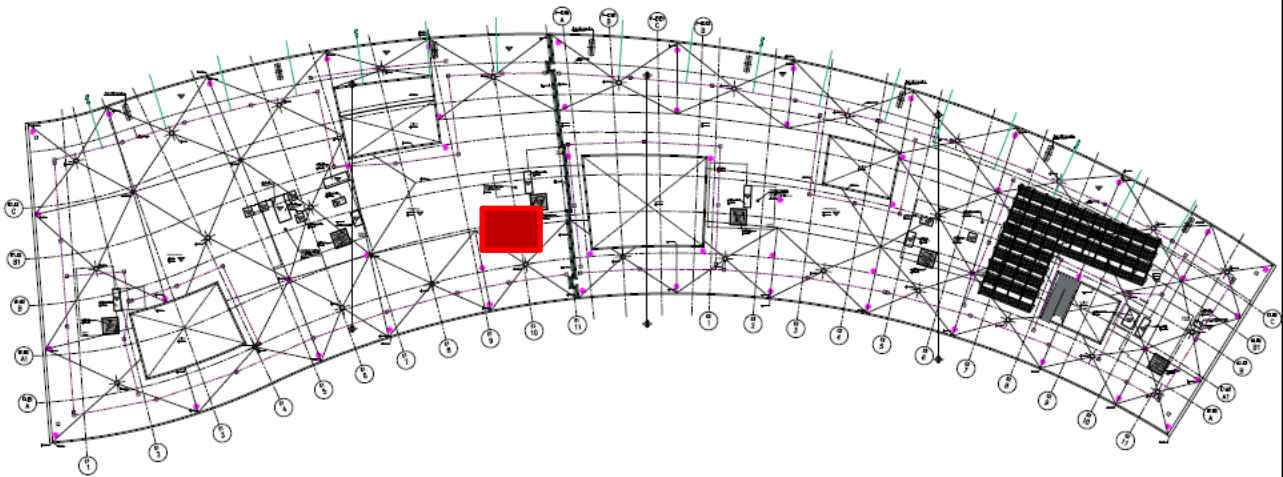
- **Antipollution**, reduction of nitrogen oxides (NOx) by 80% in only 2 hours,
- **Super-hydrophilic**, preventing the adhesion of dirt and thus allowing water (washing or rain) for easy removal,
- **Antibacterial**, elimination of bacteria, molds and fungi, also in areas exposed to the north.

The proposed system also allows you to contribute to the following LEED® credits:

- **Credito LEED® SSc7.1 Heat Island Effect – Non-Roof e Credito LEED® SSc7.2 Heat Island Effect - Roof**
- **Crediti LEED® IEQc4 Low Emitting Materials**
- **Credito LEED® IEQ8.1 Daylight & View**
- **Crediti LEED® di Innovation and Design**

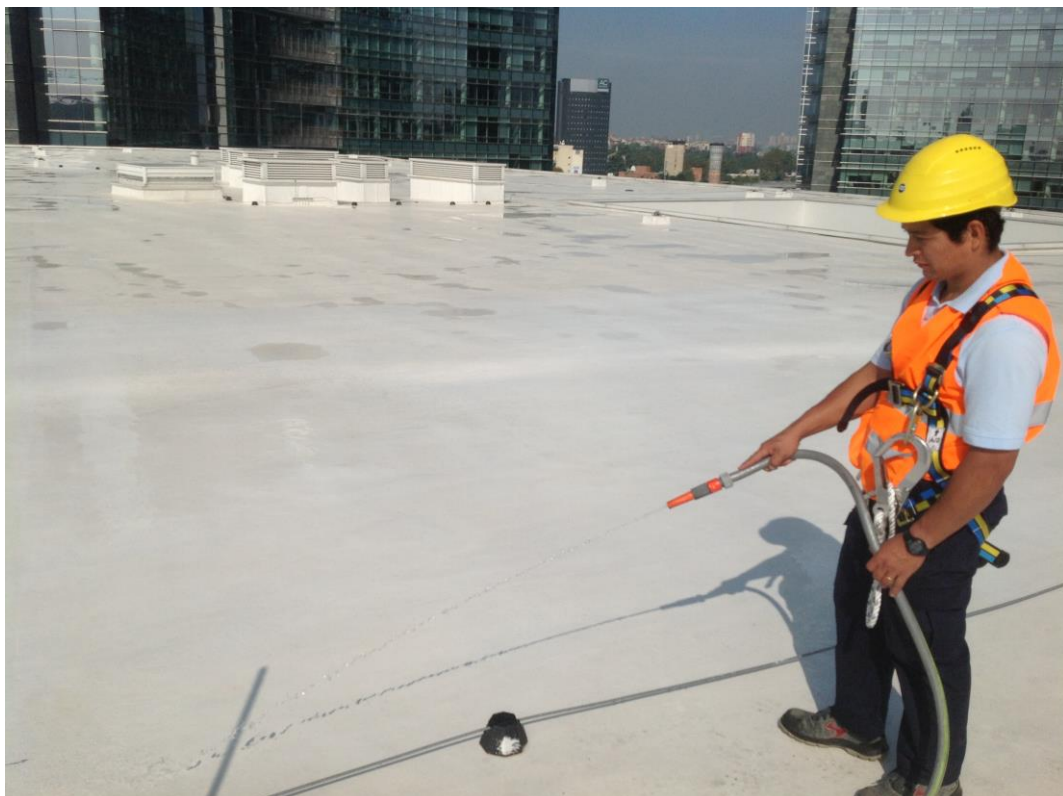
PURETi Clean™ solution is a non-toxic, environmentally friendly, water and titania based, photocatalytic mineral film former that contains highly photoactive anatase Titanium Dioxide suspended in water. PURETi Clean air dries to form durable, ultra-thin and

invisible film that oxidizes organic micro particles when irradiated by UV light. End use applications include self-cleaning building and product surfaces, environmental control, and odor abatement surfaces. The areas involved in the job of the test system application PURETi Basecoat \ Clean, are a portion of 50 square meters (square red in the picture)

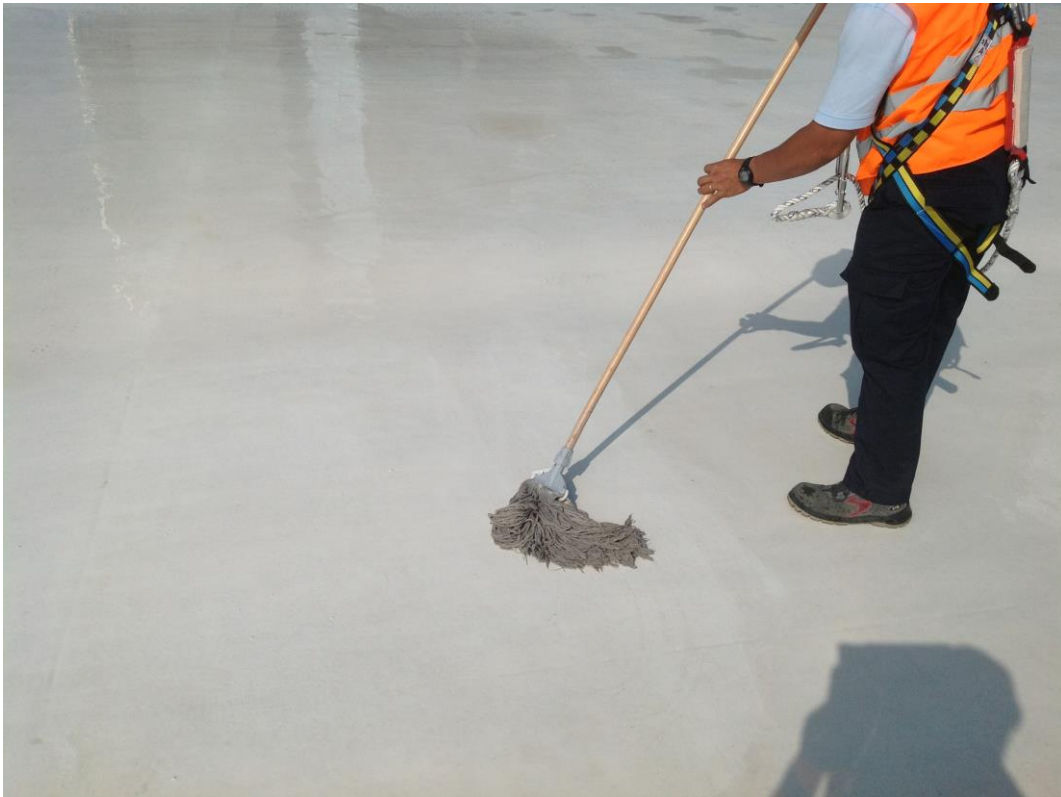




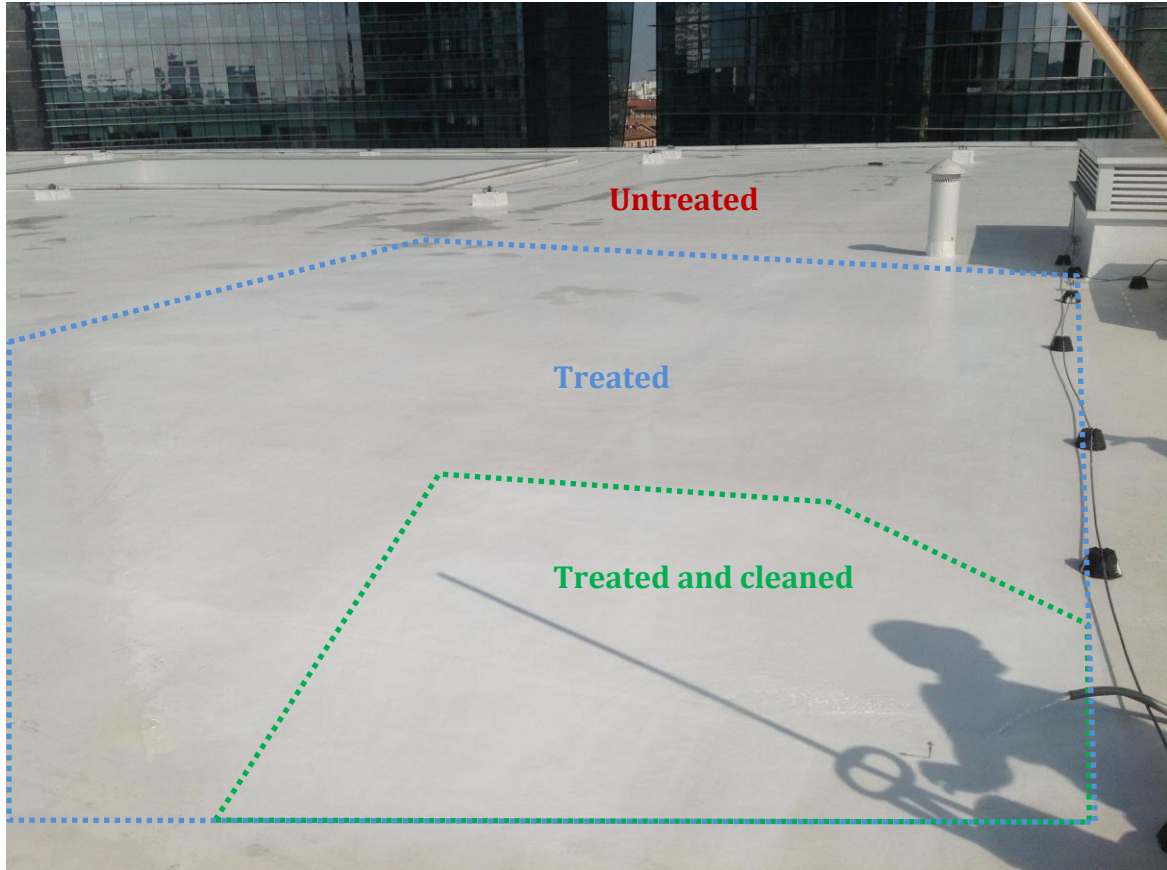
The surfaces treated with the photocatalytic system PURETi Basecoat \ PURETi Clean, appear much more clean and clear compared to untreated areas after 4 months from the application. The spots present are caused by puddles of water, because at night it rained



Later we proceeded to wash with water only the surface, as shown in the figure, then with a rag.



The cleaning with water only brought the surface at a good level, while the cleaning with the rag and water restored the surface to the original level, not possible without the application of the system PURETi Basecoat PURETi Clean, as evidenced by the following image.



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