

# A difference you can see



## **SLOAN**Tec®

*Hydrophobic Glaze*

At Sloan, we've found a way to meet the rising demand for more hygienic fixtures while making them easier to clean.

SloanTec is a unique and proprietary glaze that imparts permanent hydrophobic (water-repellent) and oleophobic (oil-repellent) properties to vitreous china.

- Unlike competitors' glazes, which rely on a smooth surface that can be scratched, SloanTec glaze physically changes the surface of vitreous china at a nanoscale level.
- SloanTec glaze not only repels liquids, it also inhibits the growth of germs and bacteria, making the fixture easier to clean and keeping it cleaner longer.

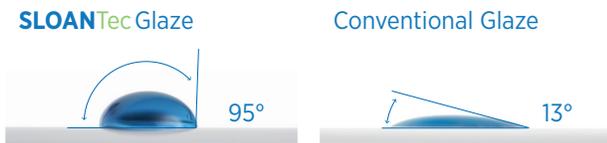
PERMANENT PROTECTION





# The science of cleaning made easier

Hydrophobic properties can be seen by measuring the contact angle of a droplet of water. In laboratory tests, SloanTec® glaze achieved contact angles as high as 95° — up to seven times greater than conventional glazes.



To ensure the unique hydrophobic and oleophobic properties of SloanTec glaze were permanent and could stand up to the harsh conditions in commercial restrooms, we conducted a series of tests to artificially age the surface.

Samples were exposed to many harsh chemicals such as hydrochloric and sulphuric acids at 140°F for two days. They were then subjected to 5,000 cycles of abrasive scrubbing. Even after this extreme abuse, SloanTec glaze was virtually unaffected.

## CONTACT ANGLE MEASUREMENTS AFTER ARTIFICIAL AGING

Surface	Angle
SLOAN Tec glaze	75°
Competitor “A” glaze	16°
Competitor “B” glaze	13°
Conventional glaze	13°

After artificial aging was completed, we used an independent testing laboratory to measure soil removal. Tests were conducted on samples of each glaze using identical rinsing techniques, and once again, SloanTec glaze delivered unsurpassed performance.

## SOIL REMOVAL COMPARISON

Surface	% Removed
SLOAN Tec glaze	70%
Competitor “A” glaze	25%
Competitor “B” glaze	10%
Conventional glaze	5%

The net result: a water closet that stays cleaner longer — and saves time and labor when it comes to maintenance.

SloanTec is the latest in a series of innovations we’re bringing to our fixture line. Contact your Sloan representative to arrange a demonstration.

[sloan.com/sloantec](http://sloan.com/sloantec) | 800.982.5839

