

ANTI-SPLASH PAD

The anti-splash pad uses mechanical engineering technology to reduce splashback from urinals and toilets, creating a more sanitary environment.

PROBLEM

Splashback while using a urinal can cause unsanitary conditions. Attempts to reduce urinal splashback including design adjustments and absorption pads have not been completely successful.

SOLUTION

Utah State mechanical engineering researchers carefully researched splashback and created a urinal pad containing a pillar array where each pillar is optimized for height, diameter, spacing and elasticity. This new design eliminates more than 99.9% of splashback, making it much more effective than current pads. The design can be applied to both flat and spherical pads.

BENEFITS

The anti-splash pad designed at Utah State has many benefits.

- Reduces pathogens spread by urine splashback
- Improves cleanliness around toilets and urinals
- Minimizes splashback on clothing and skin

APPLICATIONS

Anti-splash pads can be used in both toilets and urinals in public and private restrooms.

CONTACT

Questions about this technology including licensing availability can be directed to:

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INVENTORS

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DEVELOPMENT STAGE

TRL 3

Conception, proof of concept,
prototypes tested

PATENT STATUS

Patent applied for.

WEBSITE

rgs.usu.edu/techtransfer/anti-splash-pad