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:

**Alan Edwards**
Manager
Technology Transfer Services
(435) 797-2328
alan.edwards@usu.edu

**Inventors**
Tadd Truscott, Ph.D.
Randy Hurd, B.S.
Dept. of Mechanical and Aerospace Engineering

**Development Stage**
TRL 3
Conception, proof of concept, prototypes tested

**Patent Status**
Patent applied for.

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