

**LAB REPORT # 990407  
BONSIL**

**By: B. Kibler  
RE: Ultraply®**

**Introduction:**

A sample of Ultraply® was submitted for evaluation as a substrate for tile using Bonsil's thin sets. Mosaic and Quarry to Ultraply® shear bond specimens were prepared with Bonsil's Multipurpose Thin Set. The specimens were air cured 7 days prior to testing. Five sets were tested using both sides of Ultraply® with grain vertical and horizontal.

**Conclusion:**

Bonsil's Multipurpose Thin Set bonded to Ultraply® meets or exceeds ANSI 118.4 shear bond requirements. There was not a significant difference in bond strength using one side of Ultraply® over the other, nor did the grain make a difference.

**Test Data:**

		<u>Shear Bond Strength (PSI)</u>	<u>ANSI</u>
A	Mosaic to Ultraply®- Yellower/lighter side grain vertical	335	>300
B	Mosaic to Ultraply®- Yellower/lighter side grain horizontal	295	>300
C	Mosaic to Ultraply®- Brown/darker side grain vertical	320	>300
D	Mosaic to Ultraply®- Brown/darker side grain horizontal	355	>300
E	Quarry Tile to Ultraply®- Brown/darker side grain vertical	170	>100