

Adhesion Testing of HP+™ Flash to Neopor®

Purpose:

To test the adhesion of the HP+™ Flash to Neopor®.

Method:

HP+™ Flash was installed over Neopor® substrate. The sample was cut into 50 mm (2 inches) cubes. T-shaped draw bars were epoxied to each end as in Figure 1, and the samples were drawn apart on an Instron to measure the Tensile Break Strength in accordance with ASTM D 1623, Type C sample.

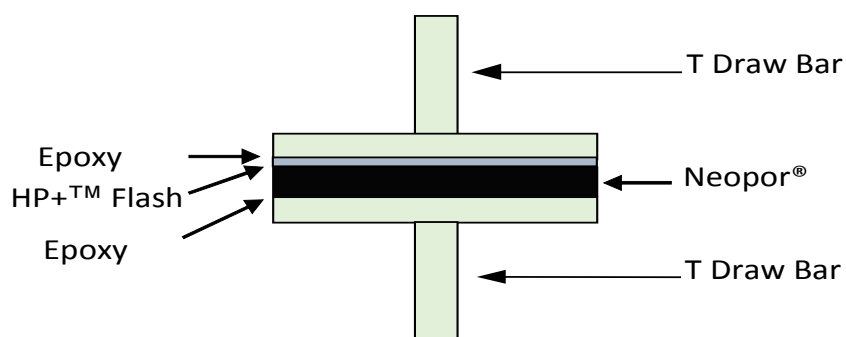


Figure 1. Sample set-up for Adhesion Testing

Results:

- Adhesion between HP+™ Flash to Neopor®
- Replication: 3
- Tensile break strength: 224.5 kPa (32.56 psi)
- Std. deviation (kPa) 11.4